

# Testing SEG bibliography from 10001 to 11000

Sergey Fomel

February 21, 2001

## References

- Abdoh, A., Cowan, D., and Pilkington, M., 1990, 3D gravity inversion of the Cheshire Basin: *Geophys. Prosp.*, **38**, no. 08, 999–1012.
- Acosta, J. E., and Worthington, M. H., 1983, A borehole magnetometric resistivity experiment: *Geophys. Prosp.*, **31**, no. 05, 800–809.
- Acworth, R. I., and Griffiths, D. H., 1985, Simple data-processing of tripotential apparent resistivity measurements as an aid to the interpretation of subsurface structure: *Geophys. Prosp.*, **33**, no. 06, 861–887.
- Adam, A., 1984, Fractures as conducting dykes and corresponding two-dimensional models: *Geophys. Prosp.*, **32**, no. 04, 543–553.
- Adam, A., 1985, Reply to comments on 'Fractures as conducting dykes and corresponding two-dimensional models', by Adam, A. (gpr-32-04-0543-0553): *Geophys. Prosp.*, **33**, no. 06, 891–894.
- Agarwal, B. N. P., and Sivaji, C., 1992, Separation of regional and residual anomalies by least-squares orthogonal polynomial and relaxation techniques: A performance evaluation: *Geophys. Prosp.*, **40**, no. 02, 143–156.
- Ak, M. A., 1990, An analytical raypath approach to the refraction wavefront method: *Geophys. Prosp.*, **38**, no. 08, 971–982.
- Al-Chalabi, M., 1992, When 'Least-squares' squares least: *Geophys. Prosp.*, **40**, no. 03, 359–378.
- Al-Chalabi, M., 1997, Time-depth relationships for multilayer depth conversion: *Geophys. Prosp.*, **45**, no. 4, 715–720.
- Al-Dajani, A., Alkhalifah, T., and Morgan, F. D., 1999, Reflection moveout inversion in azimuthally anisotropic media: accuracy, limitations and acquisition: *Geophys. Prosp.*, **47**, no. 4, 735–756.
- Al-Rawahy, S. Y. S., and Goulty, N. R., 1995, Effect of mining subsidence on seismic velocity monitored by a repeated reflection profile: *Geophys. Prosp.*, **43**, no. 02, 191–201.

- Al-Yahya, K. M., 1991, Application of the partial Karhunen-Loeve transform to suppress random noise in seismic sections: *Geophys. Prosp.*, **39**, no. 01, 77–94.
- Albright, J. N., and Johnson, P. A., 1990, Cross-borehole observation of mode conversion from borehole Stoneley waves to channel waves at a coal layer: *Geophys. Prosp.*, **38**, no. 06, 607–620.
- Aldridge, D. F., and Oldenburg, D. W., 1989, Direct current electric potential field associated with two spherical conductors in a whole-space: *Geophys. Prosp.*, **37**, no. 03, 311–330.
- Aldridge, D. F., 1992, Comments on 'Conversion points and traveltimes of converted waves in parallel dipping layers' by Gisa Tessmer and Alfred Behle (gpr-39-3-387-405): *Geophys. Prosp.*, **40**, no. 01, 101–103.
- Aleotti, L., Poletto, F., Miranda, F., Corubolo, P., Abramo, F., and Craglietto, A., 1999, Seismic while-drilling technology: use and analysis of the drill-bit seismic source in a cross-hole survey: *Geophys. Prosp.*, **47**, no. 1, 25–39.
- Alessandrello, E., Bichara, M., and Lakshmanan, J., 1983, Automatic three-layer three-dimensional deconvolution of the Pays de Bray anticline: *Geophys. Prosp.*, **31**, no. 04, 608–626.
- Almossawi, H. I. H., 1988a, Physical properties of synthetic sandstone rocks: *Geophys. Prosp.*, **36**, no. 07, 689–699.
- Almossawi, H. I. H., 1988b, Seismic modelling - High-frequency range: *Geophys. Prosp.*, **36**, no. 07, 719–732.
- Almossawi, H. I. H., 1988c, Ultrasonic spectroscopy in rocks - An experimental study of highly porous synthetic sandstones: *Geophys. Prosp.*, **36**, no. 07, 700–718.
- Alumbaugh, D. L., and Morrison, H. F., 1995, Monitoring subsurface changes over time with cross-well electromagnetic tomography: *Geophys. Prosp.*, **43**, no. 07, 873–902.
- Ameely, L., Krey, T., Muhtadie, F., Rau, H. F., and Rist, H., 1983, Migration in the presence of a rugged interface with high-velocity contrast: *Geophys. Prosp.*, **31**, no. 04, 561–573.
- Ameely, L., Edelman, H. A. K., and Fertig, J., 1985, How do shear wave events affect normal P-wave records: *Geophys. Prosp.*, **33**, no. 02, 201–211.
- Aminzadeh, F., 1984, Derivation of layer parameters of an elastic medium from reflection coefficient matrices: *Geophys. Prosp.*, **32**, no. 05, 819–827.
- Aminzadeh, F., 1989, Application of elastic modelling in processing and interpretation of VSP data: A case history: *Geophys. Prosp.*, **37**, no. 08, 893–906.
- Amundsen, L., Arntsen, B., and Mittet, R., 1993, Depth imaging of offset vertical seismic profile data: *Geophys. Prosp.*, **41**, no. 08, 1009–1032.

- Anderson, R. G., and McMechan, G. A., 1989, Automatic editing of noisy seismic data: *Geophys. Prosp.*, **37**, no. 08, 875–892.
- Anderson, R. G., and McMechan, G. A., 1990, Weighted stacking of seismic data using amplitude-decay rates and noise amplitudes: *Geophys. Prosp.*, **38**, no. 04, 365–380.
- Anderson, W. L., 1991, Comment on 'Optimized fast Hankel transform filters' by Niels Boie Christensen (gpr-38-5-545-568): *Geophys. Prosp.*, **39**, no. 03, 445–450.
- Andrea, M., Sams, M., Worthington, M., and King, M., 1997, Predicting horizontal velocities from well data: *Geophys. Prosp.*, **45**, no. 4, 593–609.
- Angeleri, G. P., and Loinger, E., 1984, Phase distortion due to absorption in seismograms and vertical-seismic-profiles: *Geophys. Prosp.*, **32**, no. 03, 406–424.
- Angeleri, G. P., Burrascano, P., Martinelli, G., and Orlandi, G., 1990, Shear-wave velocity estimation from full sonic waveform by the extended-lattice predictor: *Geophys. Prosp.*, **38**, no. 05, 449–464.
- Angeleri, G. P., 1983, A statistical approach to the extraction of the seismic propagating wavelet: *Geophys. Prosp.*, **31**, no. 05, 726–747.
- Apparao, A., Rao, T. G., and Sarma, V. S., 1991, Field results with downward continuation technique in induced polarization profiling using point electrodes: *Geophys. Prosp.*, **39**, no. 01, 119–139.
- Apparao, A., Rao, T. G., Sastry, R. S., and Sarma, V. S., 1992, Depth of detection of buried conductive targets with different electrode arrays in resistivity prospecting: *Geophys. Prosp.*, **40**, no. 07, 749–760.
- Apparao, A., Sastry, R. S., and Sarma, V. S., 1995, Downward continuation of (vs)l profile in IP (time-domain) with linear excitation using point electrodes (short note): *Geophys. Prosp.*, **43**, no. 07, 903–904.
- Apparao, A., Sastry, R. S., and Sarma, V. S., 1997, Depth of detection of buried resistive targets with some electrode arrays in electrical prospecting: *Geophys. Prosp.*, **45**, no. 3, 365–375.
- Apparao, A., 1983, Comment on 'Bedrock depth from surface potential measurements', by Roy, A. (gpr-16-04-0447-0453): *Geophys. Prosp.*, **31**, no. 06, 1000–1002.
- Arntsen, B., 1988, Numerical ray generation in the computation of synthetic vertical seismic profiles: *Geophys. Prosp.*, **36**, no. 05, 478–503.
- Asakawa, E., and Kawanaka, T., 1993, Seismic ray tracing using linear traveltimes interpolation: *Geophys. Prosp.*, **41**, no. 01, 99–112.
- Ass'ad, J. M., Tatham, R. H., McDonald, J. A., Kusky, T. M., and Jech, J., 1993, A physical model study of scattering of waves by aligned cracks: Comparison between experiment and theory: *Geophys. Prosp.*, **41**, no. 03, 323–340.

- Assefa, S., McCann, C., and Sothcott, J., 1999, Attenuation of P- and S-waves in limestones: *Geophys. Prosp.*, **47**, no. 3, 359–392.
- Asten, M. W., Drake, L. A., and Edwards, S., 1984, In-seam seismic Love wave scattering modeled by the finite-element method: *Geophys. Prosp.*, **32**, no. 04, 649–661.
- Aubert, M., Camus, G., and Fournier, C., 1984, Resistivity and magnetic surveys in groundwater prospecting in volcanic areas - Case-history Maar de Beaunit Puy de Dome France: *Geophys. Prosp.*, **32**, no. 04, 554–563.
- Ayres, A., and Tkeilen, F., 1999, Relationship between P- and S-wave velocities and geological properties of near-surface sediments of the continental slope of the Barents Sea: *Geophys. Prosp.*, **47**, no. 4, 431–441.
- Baars, B., Hoogeveen, H. J., Helbig, K., and Goudswaard, W., 1984, Obituary - A. van Weelden: *Geophys. Prosp.*, **32**, no. 02, 157–158.
- Bacon, C. W. M., and Martin, J. E., 1993, Simultaneous Vibroseis recording: *Geophys. Prosp.*, **41**, no. 08, 943–968.
- Baeten, G. J. M., Fokkema, J. T., and Ziolkowski, A. M., 1988, Seismic vibrator modelling: *Geophys. Prosp.*, **36**, no. 01, 22–65.
- Bakke, N. E., and Ursin, B., 1998, Thin-bed AVO effects: *Geophys. Prosp.*, **46**, no. 6, 571–587.
- Balch, A. H., and Erdemir, C., 1994, Sign-change correction for prestack migration of P-S converted wave reflections: *Geophys. Prosp.*, **42**, no. 06, 637–663.
- Balch, A. H., Chang, H., Hofland, G. S., Ranzinger, K. A., and Erdemir, C., 1991, The use of forward- and back-scattered P-, S- and converted waves in cross-borehole imaging: *Geophys. Prosp.*, **39**, no. 07, 887–914.
- Banerjee, B., and Sengupta, B. J., 1987, Transformation of dipolar Wenner and two-electrode curves to Schlumberger apparent resistivity sounding curves: *Geophys. Prosp.*, **35**, no. 04, 445–453.
- Bardan, V., 1987, Trace interpolation in seismic data-processing: *Geophys. Prosp.*, **35**, no. 04, 343–358.
- Bardan, V., 1997, A hexagonal sampling grid for 3D recording and processing of 3D seismic data: *Geophys. Prosp.*, **45**, no. 5, 819–830.
- Baria, R., Jackson, P. D., and McCann, D. M., 1989, Further development of a high-frequency seismic source for use in boreholes: *Geophys. Prosp.*, **37**, no. 01, 31–52.
- Barker, R. D., 1989, Comment on 'Examination of sounding curve extrapolation used by the offset Wenner system', by P. A. white and D. M. Scott (gpr-36-2-194-200) with reply by authors: *Geophys. Prosp.*, **37**, no. 01, 107–112.

- Barongo, J. O., 1987, Geophysical detection of mineral conductors in tropical terrains with target conductors partly embedded in the conductive overburden: *Geophys. Prosp.*, **35**, no. 05, 568–589.
- Barongo, J. O., 1988, Reply to comments on 'Geophysical detection of mineral conductors in tropical terrains with target conductors partly embedded in the conductive overburden', by Barongo, J. O. (gpr-35-05-0568-0589): *Geophys. Prosp.*, **36**, no. 01, 94.
- Barzaghi, A., Gandino, A., Sanso, F., and Zenucchini, C., 1992, The collocation approach to the inversion of the gravity data: *Geophys. Prosp.*, **40**, no. 04, 429–452.
- Basokur, A. T., Kaya, C., and Ulugergerli, E. U., 1997, Direct interpretation of magnetotelluric sounding data based on the frequency-normalized impedance function: *Geophys. Prosp.*, **45**, no. 1, 21–37.
- Basokur, A. T., 1983, Transformation of resistivity sounding measurements obtained in one electrode configuration to another configuration by means of digital linear filtering: *Geophys. Prosp.*, **31**, no. 04, 649–663.
- Basokur, A. T., 1984a, A numerical direct interpretation method of resistivity soundings using the Pekeris model: *Geophys. Prosp.*, **32**, no. 06, 1131–1146.
- Basokur, A. T., 1984b, The use of two-electrode and Schlumberger filters for computing resistivity and electromagnetic sounding curves: *Geophys. Prosp.*, **32**, no. 01, 132–138.
- Basokur, A. T., 1994, Definitions of apparent resistivity for the presentation of magnetotelluric sounding data: *Geophys. Prosp.*, **42**, no. 02, 141–149.
- Basokur, A. T., 1999, Automated 1D interpretation of resistivity soundings by simultaneous use of the direct and iterative methods: *Geophys. Prosp.*, **47**, no. 2, 149–177.
- Bastani, M., and Pedersen, L., 1997, The reliability of aeroplane attitude determination using the main geomagnetic field with application to tensor VLF data analysis: *Geophys. Prosp.*, **45**, no. 5, 831–841.
- Baumgartner, F., and Christensen, N. B., 1998, Analysis and application of a non-conventional underwater geoelectrical method in Lake Geneva, Switzerland: *Geophys. Prosp.*, **46**, no. 5, 527–541.
- Beamish, D., and Travassos, J. M., 1993, A study of magnetoelectric static distortion in the context of intrusive volcanism: *Geophys. Prosp.*, **41**, no. 01, 61–82.
- Beaumont, C. M., Boyce, J. F., and Silva, R., 1987, Phase errors of finite-difference migration: *Geophys. Prosp.*, **35**, no. 03, 267–280.
- Belay, R., and Rasmussen, T. M., 1995, One dimensional non-linear inversion of magnetotelluric data: The importance of data errors: *Geophys. Prosp.*, **43**, no. 07, 905–918.

- Benhama, A., Cllet, C., and Dubesset, M., 1988, Study and applications of spatial directional filtering in three-component recordings: *Geophys. Prosp.*, **36**, no. 06, 591–613.
- Benoliel, S. D., Schneider, W. A., and Shurtleff, R. N., 1987, Frequency wavenumber approach of the tau-p transform - Some applications in seismic data-processing: *Geophys. Prosp.*, **35**, no. 05, 517–538.
- Benson, A. K., 1989, Residual depth-migration: Enhancing dips: *Geophys. Prosp.*, **37**, no. 07, 771–780.
- Benson, A. K., 1995, Phase-shift migration with a variable-length spatial transform - An algorithm for moderately varying lateral velocities: *Geophys. Prosp.*, **43**, no. 06, 729–741.
- Berg, P., If, F., Nielsen, P., and Skovgaard, O., 1993, Diffraction by a wedge in an acoustic constant density medium: *Geophys. Prosp.*, **41**, no. 07, 803–832.
- Berge, A. M., and Beskow, B., 1985, A method to determine the velocities of the seafloor and near-surface sediments: *Geophys. Prosp.*, **33**, no. 03, 377–399.
- Berge, A. M., Kanestrom, T., and Pedersen, L. M., 1983, Detailed seismic velocities in sediments along a 250 km profile in the Barents Sea: *First Break*, **01**, no. 08, 9–17.
- Berge, A. M., Drivenes, G., Kanestrom, R., and Beskow, B., 1986a, Acoustic modeling of the seafloor: *Geophys. Prosp.*, **34**, no. 01, 11–29.
- Berge, A. M., Drivenes, G., Kanestrom, R., and Beskow, B., 1986b, Reply to comments on 'Acoustic modeling of the seafloor', by Berge, A. M., et al (gpr-34-01-0011-0029): *Geophys. Prosp.*, **34**, no. 01, 143–144.
- Bernabini, M., and Cardarelli, E., 1991, Geoelectrical surveys of dipping structures: *Geophys. Prosp.*, **39**, no. 07, 953–966.
- Bernabini, M., Brizzolari, E., and Piro, S., 1988, Improvement of signal-to-noise ratio in resistivity profiles: *Geophys. Prosp.*, **36**, no. 05, 559–570.
- Berryman, J. G., Grechka, V. Y., and Berge, P. A., 1999, Analysis of Thomsen parameters for finely layered VT1 media: *Geophys. Prosp.*, **47**, no. 4, 959–978.
- Best, A. I., and Sams, M. S., 1997, Compressional wave velocity and attenuation at ultrasonic and sonic frequencies in near-surface sedimentary rocks: *Geophys. Prosp.*, **45**, no. 2, 327–344.
- Best, A. I., McCann, C., and Southcott, J., 1994, The relationships between the velocities, attenuations and petrophysical properties of reservoir sedimentary rocks: *Geophys. Prosp.*, **42**, no. 02, 151–178.
- Best, M. E., 1985, A systematic approach for evaluating airborne electromagnetic systems: *Geophys. Prosp.*, **33**, no. 04, 577–599.

- Best, A. I., 1997, The effect of pressure on ultrasonic velocity and attenuation in near-surface sedimentary rocks: *Geophys. Prosp.*, **45**, no. 2, 345–364.
- Bezveda, V., and Segeth, K., 1987, An application of fast algorithms to numerical electromagnetic modeling: *Geophys. Prosp.*, **35**, no. 03, 312–322.
- Bhattacharya, B. B., and Biswas, D., 1992, IP response for a 2D horizontal cylinder: *Geophys. Prosp.*, **40**, no. 06, 651–670.
- Bhattacharya, B. B., and Roy, N., 1986, Reply to comments on 'A note on the use of a nomogram for self-potential anomalies', by Bhattacharya, B. B., et al (gpr-29-01-0102-0107): *Geophys. Prosp.*, **34**, no. 08, 1294–1295.
- Bibby, H. M., and Hohmann, G. W., 1993, Three-dimensional interpretation of multiple-source bipole-dipole resistivity data using the apparent resistivity tensor: *Geophys. Prosp.*, **41**, no. 06, 697–724.
- Bilgeri, D., and Carlini, A., 1984, Limits of structural inversion of seismic horizons: *Geophys. Prosp.*, **32**, no. 04, 581–607.
- Bing, Z., and Greenhalgh, S. A., 1999, Explicit expressions and numerical calculations for the Frechet and second derivatives in 2.5D Helmholtz equation inversion: *Geophys. Prosp.*, **47**, no. 4, 443–468.
- Biondi, B., and Palacharla, G., 1995, 3D depth migration by rotated McClellan filters: *Geophys. Prosp.*, **43**, no. 08, 1005–1020.
- Bishop, I., and Styles, P., 1990, Seismic tomographic imaging of a buried concrete target: *Geophys. Prosp.*, **38**, no. 02, 169–188.
- Bitri, A., and Grandjean, G., 1998, Frequency-wavenumber modelling and migration of 2D GPR data in moderately heterogeneous dispersive media: *Geophys. Prosp.*, **46**, no. 03, 287–301.
- Blacquièrè, G., Debeye, H. W. J., Wapenaar, C. P. A., and Berkhout, A. J., 1989, 3D table-driven migration: *Geophys. Prosp.*, **37**, no. 08, 925–958.
- Bleistein, N., and Cohen, J. K., 1992, The Cagniard method in complex time revisited: *Geophys. Prosp.*, **40**, no. 06, 619–650.
- Bleistein, N., and Gray, S. H., 1985, An extension of the Born inversion method to a depth dependent reference profile: *Geophys. Prosp.*, **33**, no. 07, 999–1022.
- Bleistein, N., 1986, Two-and-one-half dimensional in-plane wave propagation: *Geophys. Prosp.*, **34**, no. 05, 686–703.
- Blondin, E., and Mari, J. L., 1986, Detection of gas bubble boundary movement: *Geophys. Prosp.*, **34**, no. 01, 73–93.
- Bogoslovsky, V. A., Ilina, E. B., Kuzmina, E. N., and Ogilvy, A. A., 1983, Problems in the use of geophysical information when interpreting the data of spacecraft observations: *Geophys. Prosp.*, **31**, no. 02, 351–360.

- Bois, C., and Allegre, C. J., 1983, The structure and dynamics of continental crust - The French ECORS programme: *First Break*, **01**, no. 05, 21–25.
- Bolondi, G., Loinger, E., and Rocca, F., 1984, Offset continuation in theory and practice: *Geophys. Prosp.*, **32**, no. 06, 1045–1073.
- Bondar, I., 1992, Seismic horizon detection using image processing algorithms: *Geophys. Prosp.*, **40**, no. 07, 785–800.
- Borner, F., Grubne, M., and Schon, J., 1993, Contamination indications derived from electrical properties in the low frequency ranges: *Geophys. Prosp.*, **41**, no. 01, 83–98.
- Bortfeld, R., and Kiehn, M., 1992, Reflection amplitudes and migration amplitudes (zero-offset situation): *Geophys. Prosp.*, **40**, no. 08, 873–884.
- Boschetti, F., Dentith, M., and List, R., 1997, Inversion of potential field data by genetic algorithms: *Geophys. Prosp.*, **45**, no. 3, 461–478.
- Bosum, W., Eberle, D., and Rehli, H. J., 1988, A gyro-oriented three-component borehole magnetometer for mineral prospecting with examples of its application: *Geophys. Prosp.*, **36**, no. 08, 933–961.
- Boulch, H. L., 1983, Starjet - A new implosive source: *First Break*, **01**, no. 02, 25–29.
- Bowen, A. N., 1986, A comparison of statistical and deterministic Wiener deconvolution of deep-tow seismic data: *Geophys. Prosp.*, **34**, no. 03, 366–382.
- Brauner, W., Durschner, H., Koopmann, B., Marschall, R., and Peters, K., 1988, Moving source profiling MSP: *Geophys. Prosp.*, **36**, no. 01, 6–21.
- Bregman, N. D., Chapman, C. H., and Bailey, R. C., 1985, A noniterative procedure for inverting plane-wave reflection data at several angles-of-incidence using the Riccati-equation: *Geophys. Prosp.*, **33**, no. 02, 185–200.
- Breitzke, M., and Dresen, L., 1986, Love-type seam-waves in washout models of coal seams: *Geophys. Prosp.*, **34**, no. 08, 1167–1184.
- Breitzke, M., Dresen, L., Csokas, J., Gyulai, A., and Ormos, T., 1987, Parameter estimation and fault detection by three-component seismic and geoelectrical surveys in a coal mine: *Geophys. Prosp.*, **35**, no. 07, 832–863.
- Breitzke, M., 1992, Seismogram synthesis and recompression of dispersive in-seam seismic multimode data using a normal-mode superposition approach: *Geophys. Prosp.*, **40**, no. 01, 31–70.
- Brewer, J. A., 1983, Profiling continental basement - The key to understanding structures in the sedimentary cover: *First Break*, **01**, no. 06, 25–31.
- Brotz, R., Marschall, R., and Knecht, M., 1987, Signal adjustment of Vibroseis and impulsive source data: *Geophys. Prosp.*, **35**, no. 07, 739–766.



- Brown, A. R., Wright, R. M., Burkart, K. D., Abriel, W. L., and McBeath, R. G., 1986, Tuning effects lithological effects and depositional effects in the seismic response of gas reservoirs: *Geophys. Prosp.*, **34**, no. 05, 623–647.
- Brown, R. J., Anderson, N. L., and Hills, L. V., 1990, Seismic interpretation of upper Elk Point (givetian) carbonate reservoirs of western Canada: *Geophys. Prosp.*, **38**, no. 07, 719–736.
- Brown, R. J., 1985, Electromagnetic coupling in multifrequency induced-polarization and a generalization of the Cole-Cole impedance model: *Geophys. Prosp.*, **33**, no. 02, 282–302.
- Bruckl, E., 1987, The interpretation of travelttime fields in refraction seismology: *Geophys. Prosp.*, **35**, no. 09, 973–992.
- Buchanan, D. J., 1986, The scattering of SH-channel waves by fault in a coal seam: *Geophys. Prosp.*, **34**, no. 03, 343–365.
- Buchanan, D. J., 1987, Dispersion calculations for SH and P-SV waves in multilayered coal seams: *Geophys. Prosp.*, **35**, no. 01, 62–70.
- Bunch, A. W. H., and White, R. E., 1985, Least-squares filters without transient errors - An examination of the errors in least-squares filter design: *Geophys. Prosp.*, **33**, no. 05, 657–673.
- Bunks, C., 1995, Effective filtering of artifacts for implicit finite-difference paraxial wave equation migration: *Geophys. Prosp.*, **43**, no. 02, 203–220.
- Busby, J. P., and Dabek, Z. K., 1986, Resistivity and IP-modeling of the three-array down-hole prospecting technique: *Geophys. Prosp.*, **34**, no. 01, 130–140.
- Busby, J. P., Peart, R. J., Green, C. A., Ogilvy, R. D., and Williamson, J. P., 1991, A search for direct hydrocarbon indicators in the Formby area: *Geophys. Prosp.*, **39**, no. 05, 691–710.
- Busby, J. P., 1985, Data quality assessment of time-domain induced-polarization decay curves: *Geophys. Prosp.*, **33**, no. 07, 1023–1028.
- c[] Chen, C., and z[] Xu, S., 1999a, Comment on: 'One-dimensional magnetotelluric inversion using an adaptation of Zohdy's resistivity method' by B.A. Hobbs and C.C. Dumitrescu C.-c.: *Geophys. Prosp.*, **47**, no. 4, 603–606.
- c[] Chen, C., and z[] Xu, S., 1999b, Comment on: 'One-dimensional magnetotelluric inversion using an adaptation of Zohdy's resistivity method' by B.A. Hobbs and C.C. Dumitrescu C.-c.: *Geophys. Prosp.*, **47**, no. 4, 607–609.
- Camacho, A. G., Vieira, R., Montesinos, F. G., and Cuellar, V., 1994, A gravimetric 3D global inversion for cavity detection: *Geophys. Prosp.*, **42**, no. 02, 113–130.

- Campillo, M., 1987, Modeling of SH-wave propagation in an irregularly layered medium - Application to seismic profiles near a dome: *Geophys. Prosp.*, **35**, no. 03, 236–249.
- Cao, S., and Greenhalgh, S., 1997, Cross-well seismic tomographic delineation of mineralization in a hard-rock environment: *Geophys. Prosp.*, **45**, no. 3, 449–460.
- Cao, S., and Greenhalgh, S., 1998, Reply to comment on: 'Cross-well seismic tomographic delineation of mineralization in a hard-rock environment' by M. Roksandic: *Geophys. Prosp.*, **46**, no. 2, 199–199.
- Carbone, D., and Rymer, H., 1999, Calibration shifts in a LaCoste-and-Romberg gravimeter: comparison with a Scintrex CG-3M: *Geophys. Prosp.*, **47**, no. 1, 73–83.
- Carcione, J. M., and Seriani, G., 1998, Seismic and ultrasonic velocities in permafrost: *Geophys. Prosp.*, **46**, no. 4, 441–454.
- Carcione, J. M., Lenzi, G., and Valle, S., 1999, GPR modelling by the Fourier method: improvement of the algorithm: *Geophys. Prosp.*, **47**, no. 4, 1015–1030.
- Carcione, J. M., 1992, Anisotropic Q and velocity dispersion of finely layered media: *Geophys. Prosp.*, **40**, no. 07, 761–783.
- Carcione, J. M., 1998, Viscoelastic effective rheologies for modelling wave propagation in porous media: *Geophys. Prosp.*, **46**, no. 03, 249–270.
- Carlini, A., and Mazzotti, A., 1989, Optimized receiver array simulation based upon resolution constraints: *Geophys. Prosp.*, **37**, no. 06, 607–622.
- Carrion, P. M., Kuo, J. T., and Stoffa, P. L., 1984, Inversion method in the slant stack domain using amplitudes of reflection arrivals: *Geophys. Prosp.*, **32**, no. 03, 375–391.
- Carrion, P., Vesnaver, A., Boehm, G., and Pettenati, F., 1993, Aperture compensation tomography: *Geophys. Prosp.*, **41**, no. 03, 367–380.
- Carrion, P. M., 1986, A layer-stripping technique for the suppression of water-bottom multiple reflections: *Geophys. Prosp.*, **34**, no. 03, 330–342.
- Carrion, P. M., 1990, Enhanced migration of seismic data: *Geophys. Prosp.*, **38**, no. 07, 689–704.
- Cassell, B., 1984, Vertical-seismic-profiles - An introduction: *First Break*, **02**, no. 11, 9–19.
- Cassinis, R., 1983, Deep geology of the continental crust from seismic prospecting: *First Break*, **01**, no. 04, 9–19.
- Casten, U., and Fajkiewicz, Z., 1993, Induced gravity anomalies and rock-burst risk in coal mines: A case history: *Geophys. Prosp.*, **41**, no. 01, 1–14.

- Casten, U., and Gram, C., 1989, Recent developments in underground gravity surveys: *Geophys. Prosp.*, **37**, no. 01, 73–90.
- Casten, U., and Hausmann, U., 1990, Improvement of observation accuracy of the Lacoste-Romberg (model D) gravity meter by supplementary installation of electronic feedback: *Geophys. Prosp.*, **38**, no. 05, 489–498.
- Chakraborty, K., and Agarwal, B. N. P., 1992, Mapping of crustal discontinuities by wavelength filtering of the gravity field: *Geophys. Prosp.*, **40**, no. 07, 801–822.
- Chakridi, R., and Chouteau, M., 1988, Design of models for electromagnetic scale modelling: *Geophys. Prosp.*, **36**, no. 05, 537–550.
- Chander, R., and Bhat, C. R., 1984, Simulations of reflections and diffractions from targets buried in a medium with linear variation of velocity with distance: *Geophys. Prosp.*, **32**, no. 05, 920–928.
- Chang, W.-F., and McMechan, G. A., 1989, 3D acoustic reverse-time migration: *Geophys. Prosp.*, **37**, no. 03, 243–256.
- Chang, W.-F., and McMechan, G. A., 1990, 3D acoustic prestack reverse-time migration: *Geophys. Prosp.*, **38**, no. 07, 737–756.
- Chavez, R. E., and Garland, G. D., 1983, On the applications of inverse-theory to gravity interpretation: *Geophys. Prosp.*, **31**, no. 01, 119–130.
- Chavez, R. E., Bailey, R. C., and Garland, G. D., 1987, Joint interpretation of gravity and magnetic data over axial symmetric bodies with application to the Darnley Bay anomaly NWT Canada: *Geophys. Prosp.*, **35**, no. 04, 374–391.
- Cheesman, S. J., and Edwards, R. N., 1989, Current channelling in square plates with applications to magnetometric resistivity: *Geophys. Prosp.*, **37**, no. 05, 553–582.
- Chen, S. J., and Dalton, C., 1983, Theoretical and experimental approaches to the geophone spurious frequency: *Geophys. Prosp.*, **31**, no. 04, 574–590.
- Cheng, N., Zhu, Z., Cheng, C. H., and Toksoz, M. N., 1994, Experimental and finite difference modelling of borehole mach waves: *Geophys. Prosp.*, **42**, no. 04, 303–319.
- Chouteau, M., 1985, Comment on 'Fractures as conducting dykes and corresponding two-dimensional models', by Adam, A. (gpr-32-04-0543-0553): *Geophys. Prosp.*, **33**, no. 06, 888–890.
- Christensen, N. B., 1990, Optimized fast Hankel transform filters: *Geophys. Prosp.*, **38**, no. 05, 545–568.
- Christie, P. A. F., Hughes, V. J., and Kennett, B. L. N., 1983, Velocity filtering of seismic reflection data: *First Break*, **01**, no. 03, 9–24.

- Chunduru, R. K., Sen, M. K., Stoffa, P. L., and Nagendra, R., 1995, Non-linear inversion of resistivity profiling data for some regular geometrical bodies: *Geophys. Prosp.*, **43**, no. 08, 979–1003.
- Chyba, J., 1983, On the interpretation of resistivity soundings by the least-squares method: *Geophys. Prosp.*, **31**, no. 05, 795–799.
- Chyba, J., 1986, Some improvements in the interpretation of vertical electric sounding curves: *Geophys. Prosp.*, **34**, no. 06, 913–922.
- Cinq-Mars, A., Mwenifumbo, C. J., Killeen, P. G., and Chouteau, M., 1992, Multiparameter geophysical logging at the Yava lead deposit: A statistical approach: *Geophys. Prosp.*, **40**, no. 08, 829–848.
- Clarke, J., Gamble, T. D., Goubau, W. M., Koch, R. H., and Miracky, R. F., 1983, Remote-reference magnetotellurics - Equipment and procedures: *Geophys. Prosp.*, **31**, no. 01, 149–170.
- Clayton, C. R. I., Hope, V. S., and Howe, S. J., 1991, Comment on 'Seismic tomographic imaging of a buried concrete target' by I. Bishop and P. styles (gpr-38-2-169-188): *Geophys. Prosp.*, **39**, no. 05, 711–718.
- Coates, R. T., 1998, A modelling study of open-hole single-well seismic imaging: *Geophys. Prosp.*, **46**, no. 2, 153–175.
- Coppens, F., and Mari, J. L., 1984, Spectrum equalization as a tool for improving the quality of seismic data: *Geophys. Prosp.*, **32**, no. 02, 258–281.
- Coppens, F., 1985, First-arrival picking on common-offset trace collections for automatic estimation of static corrections: *Geophys. Prosp.*, **33**, no. 08, 1212–1231.
- Cote, P., Degauque, P., Lagabriell, R., and Levent, N., 1995, Detection of underground cavities with monofrequency electromagnetic tomography between boreholes in the frequency range 100 MHz to 1 GHz: *Geophys. Prosp.*, **43**, no. 08, 1083–1107.
- Covey, J. D., Hron, F., and Peacock, K. L., 1989, On the role of partial ray expansion in the computation of ray synthetic seismograms for layered structures: *Geophys. Prosp.*, **37**, no. 08, 907–924.
- Cox, K. B., and Mason, I. M., 1988, Velocity analysis of the SH-channel wave in the Schwalbach seam at Ensdorf colliery: *Geophys. Prosp.*, **36**, no. 03, 298–317.
- Crampin, S., 1984, Anisotropy in exploration seismics: *First Break*, **02**, no. 03, 19–21.
- Crampin, S., 1986, Anisotropy and transverse isotropy: *Geophys. Prosp.*, **34**, no. 01, 94–99.
- Crampin, S., 1989, Suggestions for a consistent terminology for seismic anisotropy: *Geophys. Prosp.*, **37**, no. 07, 753–770.

- Crampin, S., 1990, Alignment of near-surface inclusions and appropriate crack geometries for geothermal hot-dry rock experiments: *Geophys. Prosp.*, **38**, no. 06, 621–632.
- Csokas, J., Dobroka, M., and Gyulai, A., 1986, Geoelectric determination of quality changes and tectonic disturbances in coal deposits: *Geophys. Prosp.*, **34**, no. 07, 1067–1081.
- Cull, J. P., and Cobcroft, R., 1986, Omni-directional downhole EM probes (electromagnetics): *Geophys. Prosp.*, **34**, no. 04, 569–579.
- Cull, J. P., 1985, Self-potential and current channelling: *Geophys. Prosp.*, **33**, no. 03, 460–467.
- Dahl, T., and Ursin, B., 1992, Non-linear AVO inversion for a stack of anelastic layers: *Geophys. Prosp.*, **40**, no. 02, 243–265.
- Dahl-Jensen, T., 1989, Static corrections on crystalline rocks: *Geophys. Prosp.*, **37**, no. 05, 467–478.
- Daley, P. F., and Hron, F., 1988, A non geometrical SH-arrival: *Geophys. Prosp.*, **36**, no. 04, 430–445.
- Daniel, A. J., and Styles, P., 1997, Topographic accessibility and the tectonic interpretation of gravity data: *Geophys. Prosp.*, **45**, no. 6, 1013–1026.
- Dankbaar, J. W. M., 1983, The wavefield generated by two vertical vibrators in phase and in counterphase: *Geophys. Prosp.*, **31**, no. 06, 873–887.
- Dankbaar, J. W. M., 1985, Separation of P-waves and S-waves: *Geophys. Prosp.*, **33**, no. 07, 970–986.
- Dankbaar, J. W. M., 1987, Vertical seismic profiling - Separation of P-waves and S-waves: *Geophys. Prosp.*, **35**, no. 07, 803–814.
- Darayan, S., Liu, C., Shen, L., and Shattuck, D., 1998, Measurement of electrical properties of contaminated soil: *Geophys. Prosp.*, **46**, no. 5, 477–488.
- Darboux-Afouda, R., and Louis, P., 1989, Contribution of electrical anisotropy to research in fractured aquifers in the crystalline region of Benin: *Geophys. Prosp.*, **37**, no. 01, 91–106.
- Das, U. C., and Parasnis, D. S., 1987, Resistivity and induced-polarization responses of arbitrarily shaped Three-D bodies in a two-layered earth: *Geophys. Prosp.*, **35**, no. 01, 98–109.
- Das, U. C., 1985a, Comment on 'Boundary element method for the arbitrary inhomogeneities problem in electrical prospecting', by Okabe, M. (gpr-29-01-0039-0059): *Geophys. Prosp.*, **33**, no. 03, 468.

- Das, U. C., 1985b, Comment on 'Reciprocal averaging techniques in the geoelectrical boundary element approach', by Okabe, M. (gpr-30-05-0653-0672): *Geophys. Prosp.*, **33**, no. 03, 468–471.
- Das, U. C., 1995, Direct current electric potential computation in an inhomogeneous and arbitrarily anisotropic layered earth: *Geophys. Prosp.*, **43**, no. 03, 417–432.
- Dasgupta, S. P., 1987, Mathematical analysis of DC resistivity sounding over a paraboloid: *Geophys. Prosp.*, **35**, no. 08, 924–931.
- Dasios, A., McCann, C., Astin, T. R., McCann, D. M., and Fenning, P., 1999, Seismic imaging of the shallow subsurface: shear-wave case histories: *Geophys. Prosp.*, **47**, no. 4, 565–592.
- Davis, J. L., and Annan, A. P., 1989, Ground-penetrating radar for high-resolution mapping of soil and rock stratigraphy: *Geophys. Prosp.*, **37**, no. 05, 531–552.
- Day, G. A., and Edwards, J. W. F., 1983, Reflected refracted events: *First Break*, **01**, no. 09, 14–17.
- de Amorim, W. N., Hubral, P., and Tygel, M., 1987, Computing field statics with the help of seismic tomography: *Geophys. Prosp.*, **35**, no. 08, 907–919.
- de Bazelaire, E., and Viallix, J. R., 1994, Normal moveout in focus: *Geophys. Prosp.*, **42**, no. 05, 477–499.
- de Bruin, J. A., 1993, Comment on 'secondary shear waves from source boreholes' (gpr-41-3-287-312) by J. A. Meredith, M. N. Toksoz and C. H. Cheng: *Geophys. Prosp.*, **41**, no. 08, 1067–1072.
- de Hoop, A. T., 1988, Tutorial - Large-offset approximations in the modified Cagniard method for computing synthetic seismograms - A survey: *Geophys. Prosp.*, **36**, no. 05, 465–477.
- de Meyer, F., 1984, Two structural models for the western flank of the Brabant-massif: *Geophys. Prosp.*, **32**, no. 01, 37–50.
- de Vries, D., and Berkhout, A. J., 1984, Influence of velocity errors on the focusing aspects of migration: *Geophys. Prosp.*, **32**, no. 04, 629–648.
- Debeye, H. W. J., and van Riel, P., 1990, LP-norm deconvolution: *Geophys. Prosp.*, **38**, no. 04, 381–404.
- Deluchi, L., 1994, Comment on 'Simultaneous Vibroseis recording', by J. E. Martin and C. W. M. Bacon (gpr-41-8-943-968) and reply by authors: *Geophys. Prosp.*, **42**, no. 05, 521–526.
- den Rooijen, H. P. G. M., 1991, Stacking of P-SV seismic reflection data using dip moveout: *Geophys. Prosp.*, **39**, no. 05, 585–598.

- Deregowski, S. M., and Brown, S. M., 1983, A theory of acoustic diffractors applied to Two-D models: *Geophys. Prosp.*, **31**, no. 02, 293–333.
- Dietrich, M., and Cohen, J. K., 1993, Migration to zero offset (dmo) for a constant velocity gradient: An analytical formulation: *Geophys. Prosp.*, **41**, no. 05, 621–644.
- Dillon, P. B., and Collyer, V. A., 1985, On timing the vertical-seismic-profile (vsp) first-arrival: *Geophys. Prosp.*, **33**, no. 08, 1174–1194.
- Dillon, P. B., and Thomson, R. C., 1984, Offset-source vertical-seismic-profile (vsp) surveys and their image reconstruction: *Geophys. Prosp.*, **32**, no. 05, 790–811.
- Dillon, P. B., Ahmed, H., and Roberts, T., 1988, Migration of mixed mode VSP wavefields: *Geophys. Prosp.*, **36**, no. 08, 825–846.
- Dillon, P. B., 1990, A comparison between Kirchhoff and GRT migration on VSP data: *Geophys. Prosp.*, **38**, no. 07, 757–778.
- Dimri, V. P., and Srivastava, K., 1987, Ideal performance criteria for deconvolution operators: *Geophys. Prosp.*, **35**, no. 05, 539–547.
- Dimri, V. P., and Srivastava, K., 1990, The optimum gate length for the time-varying deconvolution operator: *Geophys. Prosp.*, **38**, no. 04, 405–410.
- Dimri, V. P., 1986, On the time-varying Wiener filter: *Geophys. Prosp.*, **34**, no. 06, 904–912.
- Ditmar, P., Penopp, J. P., Kasig, R., and Makris, J., 1999, Interpretation of shallow refraction seismic data by reflection/refraction tomography: *Geophys. Prosp.*, **47**, no. 4, 871–902.
- Dittmer, J. K., and Szymanski, J. E., 1995, The stochastic inversion of magnetics and resistivity data using the simulated annealing algorithm: *Geophys. Prosp.*, **43**, no. 03, 397–416.
- Dobroka, M., Gyulai, A., Ormos, T., Csokas, J., and Dresen, L., 1991, Joint inversion of seismic and geoelectric data recorded in an underground coal mine: *Geophys. Prosp.*, **39**, no. 05, 643–666.
- Dobroka, M., Dresen, L., Gelbke, C., and Ruter, H., 1992, Tomographic inversion of normalized data: Double-trace tomography algorithms: *Geophys. Prosp.*, **40**, no. 01, 1–14.
- Dobroka, M., 1987, Love seam-waves in a horizontally inhomogeneous three-layered medium: *Geophys. Prosp.*, **35**, no. 05, 502–516.
- Dobroka, M., 1988, On the absorption-dispersion characteristics of channel waves propagating in coal seams of varying thickness: *Geophys. Prosp.*, **36**, no. 03, 318–331.

- Docherty, P., Silva, R., Singh, S., Song, Z.-M., and Wood, M., 1997, Migration velocity analysis using a genetic algorithm: *Geophys. Prosp.*, **45**, no. 5, 865–878.
- Doherty, J., 1988, EM modelling using surface integral equations: *Geophys. Prosp.*, **36**, no. 06, 644–668.
- Doicin, D., 1994, Comment on 'Three-dimensional interpretation of multiple-source bipole-dipole resistivity data using the apparent resistivity tensor', by H. M. Bibby and G. W. Hohmann (gpr-41-6-697-724) and reply by authors: *Geophys. Prosp.*, **42**, no. 05, 531–540.
- Doornenbal, J. C., and Helbig, K., 1983, High resolution reflection seismics on a tidal flat in the Dutch Delta - Acquisition processing and interpretation: *First Break*, **01**, no. 05, 9–20.
- dos Santos, W. L. B., Ulrych, T. J., and de Lima, O. A. L., 1988, A new approach for deriving pseudovelocity logs from resistivity logs: *Geophys. Prosp.*, **36**, no. 01, 83–91.
- Doucet, D., and van Ngoc, P., 1984, Generalization and optimization of the finite-difference method for magnetotelluric (mt) modeling: *Geophys. Prosp.*, **32**, no. 02, 292–316.
- Doucet, D., and van Ngoc, P., 1985, Reply to comments on 'Generalization and optimization of the finite-difference method for magnetotelluric (mt) modeling', by Doucet, D., et al (gpr-32-02-0292-0316): *Geophys. Prosp.*, **33**, no. 02, 308–311.
- Douma, J., den Rooijen, H., and Schokking, F., 1990, Anisotropy detected in shallow clays using shear-wave splitting in a VSP survey: *Geophys. Prosp.*, **38**, no. 08, 983–998.
- Douma, J., 1988, The effect of the aspect ratio on crack induced anisotropy: *Geophys. Prosp.*, **36**, no. 06, 614–632.
- Douma, J., 1989, The representability of cracked media by periodically layered media: *Geophys. Prosp.*, **37**, no. 07, 831–850.
- Douze, E. J., 1985, Tutorial - Linear inverse filters in orthogonal coordinates: *Geophys. Prosp.*, **33**, no. 08, 1093–1102.
- Draskovits, P., and Simon, A., 1992, Application of geoelectric methods using buried electrodes in exploration and mining: *Geophys. Prosp.*, **40**, no. 05, 573–586.
- Dresen, L., Kerner, C., and Kuhbach, B., 1985, The influence of an asymmetry in the sequence rock/coal/rock on the propagation of Rayleigh seam waves: *Geophys. Prosp.*, **33**, no. 04, 519–539.
- Drijkoningen, G. G., and Fokkema, J. T., 1987a, The exact seismic response of an ocean and a n-layer configuration: *Geophys. Prosp.*, **35**, no. 01, 33–61.



- Drijkoningen, G. G., and Fokkema, J. T., 1987b, Reply to comments on 'The exact seismic response of an ocean and a n-layer configuration', by Drijkoningen, G. G., et al (gpr-35-01-0033-0061): *Geophys. Prosp.*, **35**, no. 09, 1068–1069.
- Drijkoningen, G. G., 1991, Tunnelling and the generalized ray method in piecewise homogeneous media: *Geophys. Prosp.*, **39**, no. 06, 757–782.
- Druzhinin, A., 1999, Anti-aliased Kirchhoff-Helmholtz transformations: *Geophys. Prosp.*, **47**, no. 4, 757–784.
- Dubrule, A. A., 1983, On numerical methods for migration in layered media: *Geophys. Prosp.*, **31**, no. 02, 237–264.
- Duckworth, K., and Bays, A. R., 1984, A modified mode of operation for the Turam electromagnetic exploration system with benefits for deep exploration: *Geophys. Prosp.*, **32**, no. 02, 317–335.
- Duckworth, K., and Cummins, C., 1990, A physical scale model study of the comparative performance of two modes of operation for fixed-loop Turam-type EM systems: *Geophys. Prosp.*, **38**, no. 04, 423–446.
- Duijndam, A. J. W., 1988a, Bayesian estimation in seismic inversion part I - Principles: *Geophys. Prosp.*, **36**, no. 08, 878–898.
- Duijndam, A. J. W., 1988b, Bayesian estimation in seismic inversion part II - Uncertainty analysis: *Geophys. Prosp.*, **36**, no. 08, 899–918.
- Dunean, G., and Beresford, G., 1995, Median filter behaviour with seismic data: *Geophys. Prosp.*, **43**, no. 03, 329–345.
- Duprat, A., Roudot, M., and Spitz, S., 1986, Testing the transiel method in mineral and geothermal explorations: *Geophys. Prosp.*, **34**, no. 03, 445–462.
- Dutta, N. P., 1984, Seismic refraction method to study the foundation rock of a dam: *Geophys. Prosp.*, **32**, no. 06, 1103–1110.
- Dyer, B., and Worthington, M. H., 1988, Some sources of distortion in tomographic velocity images: *Geophys. Prosp.*, **36**, no. 03, 209–222.
- East, R. J. R., Worthington, M. H., and Goult, N. R., 1988, Convolution back-projection imaging of physical models with cross-hole seismic data: *Geophys. Prosp.*, **36**, no. 02, 139–148.
- Eaton, P. A., 1989, 3D electromagnetic inversion using integral equations: *Geophys. Prosp.*, **37**, no. 04, 407–426.
- Ebihara, S., Sato, M., and Niitsuma, H., 1998, Analysis of a guided wave along a conducting structure in a borehole: *Geophys. Prosp.*, **46**, no. 5, 489–505.
- Eckhardt, W., 1994, Velocity model updating using image gathers: *Geophys. Prosp.*, **42**, no. 07, 975–986.

- Edelmann, H. A. K., Kirchheimer, F., and Schulte, L., 1989, Decomposed vibrator patterns to improve seismic survey results: *Geophys. Prosp.*, **37**, no. 02, 167–180.
- Edelmann, H. A. K., 1983, Comment on 'The amplitude and phase response of a seismic vibrator', by Lerwill, W. E. (gpr-29-04-0503-0528): *Geophys. Prosp.*, **31**, no. 06, 995–996.
- Edwards, R. N., 1984, The cross-hole magnetometric resistivity (mmr) response of a disc conductor: *Geophys. Prosp.*, **32**, no. 05, 955–969.
- Efferso, F., Auken, E., and Sorensen, K. I., 1999, Inversion of band-limited TEM responses: *Geophys. Prosp.*, **47**, no. 4, 551–564.
- Eiges, R., and Raz, S., 1985, Inversion from finite-offset data and the simultaneous reconstruction of the velocity and density profiles: *Geophys. Prosp.*, **33**, no. 03, 339–358.
- Eiken, O., 1987, Comment on 'Extended marine arrays versus simulated extended arrays', by Roksandic, M. M. (gpr-34-08-1154-1166): *Geophys. Prosp.*, **35**, no. 08, 932–933.
- Eisner, E., 1984, Tutorial - Minimum-phase for continuous time and discrete time functions: *Geophys. Prosp.*, **32**, no. 04, 533–542.
- El-Kaliouby, H. M., Hussain, S. A., Bayoumi, A. E.-R., El-Diwany, E. A., and Hashish, E. A., 1995, Effect of clayey media parameters on the negative response of a coincident loop: *Geophys. Prosp.*, **43**, no. 05, 595–603.
- Ellender, S. A., 1986, Considerations in estimating the minimum-phase properties of sampled data: *Geophys. Prosp.*, **34**, no. 08, 1200–1212.
- Eloranta, E. H., 1986, Potential field of a stationary electric current using Fredholm's integral equations of the second kind: *Geophys. Prosp.*, **34**, no. 06, 856–872.
- Endres, A. L., and Knight, R., 1992, A theoretical treatment of the effect of microscopic fluid distribution on the dielectric properties of partially saturated rocks: *Geophys. Prosp.*, **40**, no. 03, 307–324.
- Ensing, L., 1983, The autobalancer - An automatic system for the reduction of power-line interference with seismic signals: *Geophys. Prosp.*, **31**, no. 04, 591–607.
- Ercan, A., Drahor, M., and Atasoy, E., 1986, Natural polarization studies at Balcova geothermal field: *Geophys. Prosp.*, **34**, no. 04, 475–491.
- Eskola, L., and Hongisto, H., 1997, Resistivity and IP modelling of an anisotropic body located in an isotropic environment: *Geophys. Prosp.*, **45**, no. 1, 127–139.
- Eskola, L., Eloranta, E., and Puranen, R., 1984, A method for calculating induced-polarization anomalies for models with surface polarization: *Geophys. Prosp.*, **32**, no. 01, 79–87.

- Eskola, L., Puranen, R., and Soininen, H., 1999, Measurement of magnetic properties of steel sheets: *Geophys. Prosp.*, **47**, no. 4, 593–602.
- Eskola, L., 1984, Addendum to 'The solution of the stationary electric field strength and potential of a point current source in a two-and-a-half-dimensional environment', by Eskola, L., et al (gpr-29-02-0260-0273): *Geophys. Prosp.*, **32**, no. 03, 510–511.
- Fajkiewicz, Z., 1983, Rock-burst forecasting and genetic research in coal mines by microgravity method: *Geophys. Prosp.*, **31**, no. 05, 748–765.
- Fajkiewicz, Z., 1986, Origin of the anomalies of gravity and its vertical gradient over cavities in brittle rock: *Geophys. Prosp.*, **34**, no. 08, 1233–1254.
- Falk, J., Tessmer, E., and Gajewski, D., 1998, Efficient finite-difference modelling of seismic waves using locally adjustable time steps: *Geophys. Prosp.*, **46**, no. 6, 603–616.
- Fedi, M., and Quarta, T., 1998, Wavelet analysis for the regional-residual and local separation of potential field anomalies: *Geophys. Prosp.*, **46**, no. 5, 507–525.
- Fedi, M., Florio, G., and Rapolla, A., 1994, A method to estimate the total magnetization direction from a distortion analysis of magnetic anomalies: *Geophys. Prosp.*, **42**, no. 03, 261–274.
- Ferber, R.-G., and Koitka, H., 1991, Sequential Wiener deconvolution to improve seismic resolution: *Geophys. Prosp.*, **39**, no. 02, 183–192.
- Ferber, R. G., 1985a, Normal-incidence wavefield computation using vector-arithmetic: *Geophys. Prosp.*, **33**, no. 04, 540–542.
- Ferber, R. G., 1985b, Stabilization of normal-incidence seismogram inversion removing the noise-induced bias: *Geophys. Prosp.*, **33**, no. 02, 212–223.
- Ferber, R. G., 1986, Reply to comments on 'Stabilization of normal-incidence seismogram inversion removing the noise-induced bias', by Ferber, R. G. (gpr-33-02-0212-0223): *Geophys. Prosp.*, **34**, no. 02, 241.
- Ferber, R. G., 1987, The generalized spectral function of a plane layered medium: *Geophys. Prosp.*, **35**, no. 02, 129–134.
- Ferber, R. G., 1988, Time-domain computation of non-normal incidence wavefields in plane layered media: *Geophys. Prosp.*, **36**, no. 08, 857–877.
- Ferber, R.-G., 1991, A filter, delay and spread technique for 3-D DMO: *Geophys. Prosp.*, **39**, no. 06, 737–756.
- Ferber, R.-G., 1994, Migration to multiple offset and velocity analysis: *Geophys. Prosp.*, **42**, no. 02, 99–112.

- Ferraccioli, F., Gambetta, M., and Bozzo, E., 1998, Microlevelling procedures applied to regional aeromagnetic data: an example from the Transantarctic Mountains (antarctica): *Geophys. Prosp.*, **46**, no. 2, 177–196.
- Fertig, J., and Hentschke, M. K., 1987, Data acquisition and processing of converted PS-waves: *Geophys. Prosp.*, **35**, no. 02, 148–166.
- Fertig, J., 1984, Shear-waves by an explosive point-source - The Earth surface as a generator of converted P-S waves: *Geophys. Prosp.*, **32**, no. 01, 1–17.
- Filpo, E., and Hubral, P., 1995, Numerical tests of 3D true-amplitude zero-offset migration: *Geophys. Prosp.*, **43**, no. 01, 119–134.
- Fischer, G., Le, Q. B. V., and Muller, I., 1983, Very-low-frequency (vlf) ground surveys - A powerful tool for the study of shallow two-dimensional structures: *Geophys. Prosp.*, **31**, no. 06, 977–991.
- Fischer, G., 1985, Some remarks on the behavior of the magnetotelluric phase: *Geophys. Prosp.*, **33**, no. 05, 716–722.
- FitzGerald, E. M., Bean, C. J., and Reilly, R., 1999, Fracture-frequency prediction from borehole wireline logs using artificial neural networks: *Geophys. Prosp.*, **47**, no. 4, 1031–1044.
- Fokkema, J. T., and van den Berg, P. M., 1989, Seismic inversion by a RMS Born approximation in the space-time domain: *Geophys. Prosp.*, **37**, no. 01, 53–72.
- Fokkema, J. T., Lortzer, G. J. M., and Ziolkowski, A. M., 1986, Comments on 'A simple exact method of three-dimensional migration - Theory', by Jakubowicz, H., et al (gpr-31-01-0034-0056): *Geophys. Prosp.*, **34**, no. 06, 927–936.
- Foster, D. J., and Carrion, P. M., 1985, Full wave equation downward-continuation of seismic reflection data: *Geophys. Prosp.*, **33**, no. 07, 929–942.
- Fournier, C., 1989, Spontaneous potentials and resistivity surveys applied to hydrogeology in a volcanic area: Case history of the Chaîne des Puys (puy-de-dome, France): *Geophys. Prosp.*, **37**, no. 06, 647–668.
- Frasheri, A., Lubonja, L., and Alikaj, P., 1995, On the application of geophysics in the exploration for copper and chrome ores in Albania: *Geophys. Prosp.*, **43**, no. 06, 743–757.
- Furness, P., 1992, An integral equation for the geoelectric response of thin resistive bodies: *Geophys. Prosp.*, **40**, no. 07, 701–720.
- Furness, P., 1993a, Gradient array profiles over thin resistive veins: *Geophys. Prosp.*, **41**, no. 01, 113–130.
- Furness, P., 1993b, A reconciliation of mathematical models for spontaneous mineralization potentials: *Geophys. Prosp.*, **41**, no. 06, 779–790.

- Furness, P., 1994, A physical approach to computing magnetic fields: *Geophys. Prosp.*, **42**, no. 05, 405–416.
- Furness, P., 1999, Mise-a-la-masse interpretation using a perfect conductor in a piecewise uniform earth: *Geophys. Prosp.*, **47**, no. 3, 393–409.
- Gabriels, P., Snieder, R., and Nolet, G., 1987, In-situ measurements of shear-wave velocity in sediments with higher-mode Rayleigh waves: *Geophys. Prosp.*, **35**, no. 02, 187–196.
- Gang, T., and Goult, N., 1997, Seismic inversion for coal-seam thicknesses: trials from the Belvoir coalfield, England: *Geophys. Prosp.*, **45**, no. 3, 535–549.
- Gazdag, J., and Carrizo, E., 1986, On reverse-time migration: *Geophys. Prosp.*, **34**, no. 06, 822–832.
- Gazdag, J., and Sguazzero, P., 1984, Interval velocity analysis by wave extrapolation: *Geophys. Prosp.*, **32**, no. 03, 454–479.
- Gelchinsky, B., and Shtivelman, V., 1983, Automatic picking of first arrivals and parameterization of traveltimes curves: *Geophys. Prosp.*, **31**, no. 06, 915–928.
- Geldmacher, I. M., Dresen, L., and Sturznickel, T., 1990, Seismic modelling with channel waves in seam structures influenced by mylonite zones: *Geophys. Prosp.*, **38**, no. 08, 889–912.
- Gelius, L.-J., Stamnes, J. J., and Heier, H., 1991, Pulse distortion in caustic regions: *Geophys. Prosp.*, **39**, no. 01, 51–60.
- Gelius, L. J., 1987, Inverse Q-filtering - A spectral balancing technique: *Geophys. Prosp.*, **35**, no. 06, 656–667.
- Gelius, L.-J., 1995a, A sample of controlled experiments in diffraction tomography: *Geophys. Prosp.*, **43**, no. 01, 31–50.
- Gelius, L.-J., 1995b, Generalized acoustic diffraction tomography: *Geophys. Prosp.*, **43**, no. 01, 3–29.
- Ghosh, N., Wadhwa, R. S., Shrotri, B. S., and Patella, D., 1986, Low-pass filtering of noisy field Schlumberger sounding curves part II - Application: *Geophys. Prosp.*, **34**, no. 01, 124–129.
- Gibson, B., Larner, K., and Levin, S., 1983, Efficient three-dimensional migration in two steps: *Geophys. Prosp.*, **31**, no. 01, 1–33.
- Gibson, R. L. J., Sena, A. G., and Toksoz, M. N., 1991, Paraxial ray tracing in 3-D inhomogeneous, anisotropic media: *Geophys. Prosp.*, **39**, no. 04, 473–504.
- Gibson, R. L., Turpening, W. R., Born, A., and Turpening, R. M., 1997, Observations of borehole-source amplitude reduction due to casing: *Geophys. Prosp.*, **45**, no. 1, 1–20.

- Gjoystdal, H., Reinhardsen, J. E., and Astebol, K., 1985, Computer representation of complex three-dimensional geological structures using a new solid modeling technique: *Geophys. Prosp.*, **33**, no. 08, 1195–1211.
- Goldberg, I., and Gurevich, B., 1998, A semi-empirical velocity-porosity-clay model for petrophysical interpretation of P- and S-velocities: *Geophys. Prosp.*, **46**, no. 03, 271–285.
- Goldman, M., Plooy, A. D., and Eckard, M., 1994, On reducing ambiguity in the interpretation of transient electromagnetic sounding data: *Geophys. Prosp.*, **42**, no. 01, 3–25.
- Goldman, M. M., 1983, The integral finite-difference method for calculating transient electromagnetic fields in a horizontally stratified medium: *Geophys. Prosp.*, **31**, no. 04, 664–686.
- Goldman, M. M., 1984, Addendum to 'The integral finite-difference method for calculating transient electromagnetic fields in a horizontally stratified medium', by Goldman, M. M. (gpr-31-04-0664-0686): *Geophys. Prosp.*, **32**, no. 03, 507–509.
- Goldman, M., 1987, Forward modelling for frequency-domain marine electromagnetic systems: *Geophys. Prosp.*, **35**, no. 09, 1042–1064.
- Gomez-Trevino, E., 1987, Should the electric line be straight in magnetotelluric surveys: *Geophys. Prosp.*, **35**, no. 08, 920–923.
- Gouly, N. R., 1983, Seismic surveying over Bunter Sandstone: *First Break*, **01**, no. 07, 17–23.
- Granser, H., Meurers, B., and Steinhauser, P., 1989, Apparent density mapping and 3D gravity inversion in the eastern Alps: *Geophys. Prosp.*, **37**, no. 03, 279–292.
- Granser, H., 1983, Comment on 'Potential field continuation between general surfaces', by Syberg, F. J. R. (gpr-20-02-0267-0282): *Geophys. Prosp.*, **31**, no. 06, 992–994.
- Granser, H., 1987a, Three-dimensional interpretation of gravity data from sedimentary basins using an exponential density vs. depth function: *Geophys. Prosp.*, **35**, no. 09, 1030–1041.
- Granser, H., 1987b, Topographic reduction of gravity measurements by numerical integration of boundary integrals: *Geophys. Prosp.*, **35**, no. 01, 71–82.
- Gray, S. H., Maclean, G., and Marfurt, K. J., 1999, Crooked line, rough topography: advancing towards the correct seismic image: *Geophys. Prosp.*, **47**, no. 4, 721–734.
- Gray, S. H., 1992, Frequency-selective design of the Kirchhoff migration operator: *Geophys. Prosp.*, **40**, no. 05, 565–572.

- Grechka, V., Tsvankin, I., and Cohen, J. K., 1999, Generalized Dix equation and analytic treatment of normal-moveout velocity for anisotropic media: *Geophys. Prosp.*, **47**, no. 2, 117–148.
- Green, A. G., and Clowes, R. M., 1983, Deep geology from seismic reflection studies in Canada: *First Break*, **01**, no. 07, 24–33.
- Greenberg, M. L., and Castagna, J. P., 1992, Shear-wave velocity estimation in porous rocks: Theoretical formulation, preliminary verification and applications: *Geophys. Prosp.*, **40**, no. 02, 195–210.
- Greenhalgh, S. A., and Suprajitno, M., 1985, Vertical-seismic-profiling in coal: *Geophys. Prosp.*, **33**, no. 05, 696–715.
- Greenhalgh, S. A., Burns, D., and Mason, I., 1986, A cross-hole and face-to-borehole in-seam seismic experiment at Invincible colliery Australia: *Geophys. Prosp.*, **34**, no. 01, 30–55.
- Grion, S., Mazzotti, A., and Spagnolini, U., 1998, Joint estimation of AVO and kinematic parameters: *Geophys. Prosp.*, **46**, no. 4, 405–422.
- Gritto, R., and Dresen, L., 1992, Seismic modelling of seam waves excited by energy transmission into a seam: *Geophys. Prosp.*, **40**, no. 06, 671–699.
- Groom, R. W., and Bailey, R. C., 1989, Some effects of multiple lateral inhomogeneities in magnetotellurics: *Geophys. Prosp.*, **37**, no. 06, 697–712.
- Grubb, H. J., and Walden, A. T., 1995, Smoothing seismically derived velocities: *Geophys. Prosp.*, **43**, no. 08, 1061–1082.
- Grubb, H., and Walden, A., 1997, Characterizing seismic time series using the discrete wavelet transform: *Geophys. Prosp.*, **45**, no. 2, 183–205.
- Guerin, R., and Benderitter, Y., 1995, Shallow karst exploration using MT-VLT and DC resistivity methods: *Geophys. Prosp.*, **43**, no. 05, 635–653.
- Guerreiro, S. C., 1983, Comment on 'A theorem for direct-current regimes and some of its consequences', by Roy, A. (gpr-26-02-0442-0463): *Geophys. Prosp.*, **31**, no. 01, 192–195.
- Guptasarma, D., and Singh, B., 1997, New digital linear filters for Hankel J0 and J1 transforms: *Geophys. Prosp.*, **45**, no. 5, 745–762.
- Gurer, A., and Ilkisik, O. M., 1997, THE IMPORTANCE OF TOPOGRAPHIC CORRECTIONS ON MAGNETOTELLURIC RESPONSE DATA FROM RUGGED REGIONS OF ANATOLIA: *Geophys. Prosp.*, **45**, no. 1, 111–125.
- Haas, A., and Viallix, J. R., 1989, Stochastic inversion by ray continuation: Application to seismic tomography: *Geophys. Prosp.*, **37**, no. 04, 337–356.

- Haase, A. B., 1992, Slope data water-bottom multiple attenuation: *Geophys. Prosp.*, **40**, no. 04, 403–428.
- Hake, H., Helbig, K., and Mesdag, C. S., 1984, Three-term Taylor-series for time-squared minus distance-squared curves of P-waves and S-waves over layered transversely isotropic ground: *Geophys. Prosp.*, **32**, no. 05, 828–850.
- Hake, J., Gevers, E., van der Kolk, C., and Tichelaar, B., 1998, A shear experiment over the Natih field in Oman: pilot seismic and borehole data: *Geophys. Prosp.*, **46**, no. 6, 617–646.
- Hake, H., 1986, Slant stacking and its significance for anisotropy: *Geophys. Prosp.*, **34**, no. 04, 595–608.
- Haldorsen, J. B. U., and Farmer, P. A., 1989, Resolution and NMO-stretch: Imaging by stacking: *Geophys. Prosp.*, **37**, no. 05, 479–492.
- Hall, S. H., and Olhoeft, G. R., 1986, Nonlinear complex resistivity of some nickel sulphides from Western Australia: *Geophys. Prosp.*, **34**, no. 08, 1255–1276.
- Hampson, G., and Jakubowicz, H., 1995, The effects of source and receiver motion on seismic data: *Geophys. Prosp.*, **43**, no. 02, 221–244.
- Haneveld, C. J., and Herman, G. C., 1990, A fast algorithm for the computation of Radon transforms: *Geophys. Prosp.*, **38**, no. 08, 853–860.
- Hanitzsch, C., Schleicher, J., and Hubral, P., 1994, True-amplitude migration of 2D synthetic data: *Geophys. Prosp.*, **42**, no. 05, 445–462.
- Hanyga, A., and Helle, H. B., 1995, Synthetic seismograms from generalized ray tracing: *Geophys. Prosp.*, **43**, no. 01, 51–75.
- Hanyga, A., and Pajchel, J., 1995, Point-to-curve ray tracing in complicated geological models: *Geophys. Prosp.*, **43**, no. 07, 859–872.
- Hardee, H. C., 1983, Downhole periodic seismic sources: *Geophys. Prosp.*, **31**, no. 01, 57–71.
- Harding, A. J., 1985, Inversion methods for tau-rho maps of near-offset data - Linear inversion: *Geophys. Prosp.*, **33**, no. 05, 674–695.
- Harris, P., and White, R., 1997, Improving the performance of f-x prediction filtering at low signal-to-noise ratios: *Geophys. Prosp.*, **45**, no. 2, 269–302.
- Harris, P., Kerner, C., and White, R., 1997, Multichannel estimation of frequency-dependent Q from VSP data: *Geophys. Prosp.*, **45**, no. 1, 87–109.
- Hatton, L., 1983a, Computer science for geophysicists part I - Elements of a seismic data-processing system: *First Break*, **01**, no. 06, 18–24.
- Hatton, L., 1983b, Computer science for geophysicists part II - Seismic computer system architecture: *First Break*, **01**, no. 09, 18–22.



- Hatton, L., 1983c, Computer science for geophysicists part III - Operating systems input-output and the interrupt: *First Break*, **01**, no. 10, 13–19.
- Hatton, L., 1983d, Computer science for geophysicists part IV - The user-interface: *First Break*, **01**, no. 11, 18–23.
- Hayles, J. G., and Sinha, A. K., 1986, A portable local loop VLF transmitter for geological fracture mapping: *Geophys. Prosp.*, **34**, no. 06, 873–896.
- Helbig, K., 1983a, Editorial: *Geophys. Prosp.*, **31**, no. 06, 859–860.
- Helbig, K., 1983b, Seismic impedance: *First Break*, **01**, no. 03, 25–32.
- Helbig, K., 1987, Editorial: *Geophys. Prosp.*, **35**, no. 02, 127–128.
- Helbig, K., 1990, Rays and wavefront charts in gradient media: *Geophys. Prosp.*, **38**, no. 02, 189–220.
- Helgesen, J., and Kolb, P., 1993, Multi-offset acoustic inversion of a laterally invariant medium: Application to real data: *Geophys. Prosp.*, **41**, no. 05, 517–534.
- Helgesen, J., and Landro, M., 1993, Estimation of elastic parameters from AVO effects in the tau-p domain: *Geophys. Prosp.*, **41**, no. 03, 341–366.
- Helgesen, J., 1991, Prestack inversion of group-filtered seismic data: *Geophys. Prosp.*, **39**, no. 03, 313–336.
- Hendrickson, J. S., 1999, Stacked: *Geophys. Prosp.*, **47**, no. 4, 663–706.
- Henriet, J. P., Schittekat, J., and Heldens, P., 1983, Borehole seismic profiling and tube-wave applications in a dam site investigation: *Geophys. Prosp.*, **31**, no. 01, 72–86.
- Hering, A., Misiek, R., Gyulai, A., Ormos, T., Dobroka, M., and Dresen, L., 1995, A joint inversion algorithm to process geoelectric and surface wave seismic data. part I: Basic ideas: *Geophys. Prosp.*, **43**, no. 02, 135–156.
- Hestholm, S., and Ruud, B., 1994, 2D finite-difference elastic wave modelling including surface topography: *Geophys. Prosp.*, **42**, no. 05, 371–390.
- Hildebrand, S. T., and Carroll, R. J., 1993, Radon depth migration: *Geophys. Prosp.*, **41**, no. 02, 229–240.
- Hobbs, B., and Dumitrescu, C., 1997, One-dimensional magnetotelluric inversion using an adaptation of Zohdy's resistivity method: *Geophys. Prosp.*, **45**, no. 6, 1027–1044.
- Hobbs, B. A., and Reading, A. M., 1994, Shallow fault location in coal measures using offset Wenner resistivity profiling: *Geophys. Prosp.*, **42**, no. 04, 343–356.
- Holberg, O., 1987, Computational aspects of the choice of operator and sampling interval for numerical differentiation in large-scale simulation of wave phenomena: *Geophys. Prosp.*, **35**, no. 06, 629–655.

- Holberg, O., 1988, Towards optimum one-way wave propagation: *Geophys. Prosp.*, **36**, no. 02, 99–114.
- Hollender, F., Tillard, S., and Corin, L., 1999, Multifold borehole radar acquisition and processing: *Geophys. Prosp.*, **47**, no. 4, 1077–1090.
- Hongisto, H., and Oksama, M., 1998, Constraining of the zero total surface charge in galvanic modelling: *Geophys. Prosp.*, **46**, no. 6, 647–658.
- Horne, S., and MacBeth, C., 1994, Inversion for seismic anisotropy using genetic algorithms: *Geophys. Prosp.*, **42**, no. 07, 953–974.
- Horne, S., MacBeth, C., Queen, J., Rizer, W., and Cox, V., 1997, Fracture characterization from near-offset VSP inversion: *Geophys. Prosp.*, **45**, no. 1, 141–164.
- Hosken, J. W. J., and Deregowski, S. M., 1985, Tutorial - Migration strategy: *Geophys. Prosp.*, **33**, no. 01, 1–33.
- Hospers, J., and Rathore, J. S., 1984, Interpretation of aeromagnetic data from the Norwegian-sector of the North Sea: *Geophys. Prosp.*, **32**, no. 05, 929–942.
- Hospers, J., and Rathore, J. S., 1985, Reply to comments on 'Interpretation of aeromagnetic data from the Norwegian-sector of the North Sea', by Hospers, J., et al (gpr-32-05-0929-0942): *Geophys. Prosp.*, **33**, no. 06, 904.
- Hospers, J., Finnstrom, E. G., and Rathore, J. S., 1985, A regional gravity study of the northern North Sea: *Geophys. Prosp.*, **33**, no. 04, 543–566.
- Hospers, J., 1985, Sideswipe reflections and other external and internal reflections from salt plugs in the Norwegian-Danish basin: *Geophys. Prosp.*, **33**, no. 01, 52–71.
- Hoyle, I. B., 1986, Computer techniques for the zoning and correlation of well-logs: *Geophys. Prosp.*, **34**, no. 05, 648–664.
- Hron, F., and Covey, J. D., 1983, Wavefront divergence multiples and converted waves in synthetic-seismograms: *Geophys. Prosp.*, **31**, no. 03, 436–456.
- Hu, L.-Z., and McMechan, G. A., 1986, Migration of VSP data by ray equation extrapolation in Two-D variable velocity media: *Geophys. Prosp.*, **34**, no. 05, 704–734.
- Hu, T., and White, R., 1998, Robust multiple suppression using adaptive beamforming: *Geophys. Prosp.*, **46**, no. 03, 227–248.
- Huang, H., and Palacky, G. J., 1991, Damped least-squares inversion of time-domain airborne EM data based on singular value decomposition: *Geophys. Prosp.*, **39**, no. 06, 827–844.
- Huang, M., Liu, C., Shen, L. C., and Shattuk, D., 1995, Monitoring soil contaminations using a contactless conductivity probe: *Geophys. Prosp.*, **43**, no. 06, 759–778.

- Hubral, P., and Tygel, M., 1986, Transient finite integral point source response from a planar acoustic interface - The causality approach: *Geophys. Prosp.*, **34**, no. 01, 1–10.
- Hughes, V. J., and Kennett, B. L. N., 1983, The nature of seismic reflections from coal seams: *First Break*, **01**, no. 02, 9–18.
- Hurley, D. G., and Siew, P. F., 1991, A first-order correction to the theory for the electromagnetic response of a thin conducting sheet: *Geophys. Prosp.*, **39**, no. 04, 527–542.
- Hustedt, B., and Clark, R. A., 1999, Source/receiver array directivity effects on marine seismic attenuation measurements: *Geophys. Prosp.*, **47**, no. 4, 1105–1119.
- Hutton, G. D., 1987, The perfectly reflecting wedge used as a control model in seismic diffraction modelling: *Geophys. Prosp.*, **35**, no. 06, 681–699.
- Hvozدارa, H., 1993, On the computation of the magnetic field due to a DC point electrode at the vertical boundary between two quarter-spaces: *Geophys. Prosp.*, **41**, no. 06, 767–778.
- Ikelle, L. T., Kitchenside, P. W., and Schultz, P. S., 1992, Parametrization of GRT inversion for acoustic and P-P scattering: *Geophys. Prosp.*, **40**, no. 01, 71–84.
- Ikelle, L. T., 1999, Combining two seismic experiments to attenuate free-surface multiples in OBC data: *Geophys. Prosp.*, **47**, no. 2, 179–193.
- Iliceto, V., and Santarato, G., 1986, On the possibility of the telluric method - Some results on faulted structures: *Geophys. Prosp.*, **34**, no. 07, 1082–1098.
- Iliceto, V., and Santarato, G., 1999, On the interference of man-made EM fields in the magnetotelluric 'dead band': *Geophys. Prosp.*, **47**, no. 4, 707–720.
- Iliceto, V., Santarato, G., and Zerilli, A., 1995, 2D modelling of resistivity and magnetotelluric data from the Belvedere Spinello salt mine, Italy: *Geophys. Prosp.*, **43**, no. 01, 77–89.
- Ilkisik, O. M., and Jones, A. G., 1984, Statistical evaluation of magnetotelluric (mt) and audiomagnetotelluric (amt) methods applied to a basalt-covered-area in southeastern Anatolia Turkey: *Geophys. Prosp.*, **32**, no. 04, 706–724.
- Ivan, M., 1986, On the upward continuation of potential field data between irregular surfaces: *Geophys. Prosp.*, **34**, no. 05, 735–742.
- Ivan, M., 1990, Comment on 'Optimum expression for computation of the gravity field of a homogeneous polyhedral body', by V. Pohanka, (gpr-36-7-733-751) with reply by author: *Geophys. Prosp.*, **38**, no. 03, 331–336.
- Ivan, M., 1994a, Line integrals of potential field data: *Geophys. Prosp.*, **42**, no. 07, 735–743.

- Ivan, M., 1994b, Upward continuation of potential fields from a polyhedral surface: *Geophys. Prosp.*, **42**, no. 05, 391–404.
- Jackson, G. M., Mason, I. M., and Lee, D., 1991, Multicomponent common-receiver gather migration of single-level walk-away seismic profiles: *Geophys. Prosp.*, **39**, no. 08, 1015–1030.
- Jakubowicz, H., and Levin, S., 1983, A simple exact method of three-dimensional migration - Theory: *Geophys. Prosp.*, **31**, no. 01, 34–56.
- Jakubowicz, H., and Levin, S., 1984, Reply to comments on 'A simple exact method of three-dimensional migration - Theory', by Jakubowicz, H., et al (gpr-31-01-0034-0056): *Geophys. Prosp.*, **32**, no. 02, 350.
- Jakubowicz, H., and Levin, S., 1986, Reply to comments on 'A simple exact method of three-dimensional migration - Theory', by Jakubowicz, H., et al (gpr-31-01-0034-0056): *Geophys. Prosp.*, **34**, no. 06, 937–939.
- Jakubowicz, H., and Miller, D., 1989, Two-pass 3D migration and linearized inversion in the (x, t)-domain: *Geophys. Prosp.*, **37**, no. 02, 143–148.
- Jakubowicz, H., 1990, A simple efficient method of dip-moveout correction: *Geophys. Prosp.*, **38**, no. 03, 221–246.
- Jannsen, D., Voss, J., and Theilen, F., 1985, Comparison of methods to determine Q in shallow marine sediments from vertical reflection seismograms: *Geophys. Prosp.*, **33**, no. 04, 479–497.
- Jastram, C., and Behle, A., 1992, Acoustic modelling on a grid of vertically varying spacing: *Geophys. Prosp.*, **40**, no. 02, 157–170.
- Jastram, C., and Behle, A., 1993, Accurate finite-difference operators for modelling the elastic wave equation: *Geophys. Prosp.*, **41**, no. 04, 453–458.
- Jastram, C., and Tessmer, E., 1994, Elastic modelling on a grid with vertically varying spacing: *Geophys. Prosp.*, **42**, no. 04, 357–370.
- Jensen, P. K., 1983, Calculations on the thermal conditions around a salt Diapir: *Geophys. Prosp.*, **31**, no. 03, 481–489.
- Johansen, T. A., Bruland, L., and Lutro, J., 1995, Tracking the amplitude versus offset (avo) by using orthogonal polynomials: *Geophys. Prosp.*, **43**, no. 02, 245–261.
- Johnson, I., and Doborzynski, Z., 1988, A novel fixed-source electromagnetic system: *Geophys. Prosp.*, **36**, no. 02, 167–193.
- Jol, H. M., 1995, Ground-penetrating radar antennae frequencies and transmitter powers compared for penetration depth, resolution and reflection continuity: *Geophys. Prosp.*, **43**, no. 05, 693–709.

- Jones, I. F., and Levy, S., 1987, Signal-to-noise ratio enhancement in multichannel seismic data via the Karhunen-Loeve transform: *Geophys. Prosp.*, **35**, no. 01, 12–32.
- Jones, F. W., Kushigbor, C., Lam, H. L., Majorowicz, J. A., and Rahman, M., 1984a, Estimates of terrestrial thermal gradients and heat-flow variations with depth in the Hinton-Edson-area of the Alberta basin derived from petroleum bottom-hole temperature data: *Geophys. Prosp.*, **32**, no. 06, 1111–1130.
- Jones, F. W., Rahman, M., and Leblanc, Y., 1984b, A three-dimensional numerical bottom-hole temperature stabilization model: *Geophys. Prosp.*, **32**, no. 01, 18–36.
- Jongmans, D., 1991, Near-source pulse propagation: Application to Q-determination: *Geophys. Prosp.*, **39**, no. 07, 943–952.
- Jorstad, A., Mukerji, T., and Mavko, G., 1999, Model-based shear-wave velocity estimation versus empirical regressions: *Geophys. Prosp.*, **47**, no. 4, 785–797.
- Joshi, M. S., Gupta, O. P., and Negi, J. G., 1988, On the effects of thickness of the half-plane model in Hlem induction prospecting over sulphide dykes in a highly resistive medium: *Geophys. Prosp.*, **36**, no. 05, 551–558.
- Juhlin, C., 1995, Finite-difference elastic wave propagation in 2D heterogeneous transversely isotropic media: *Geophys. Prosp.*, **43**, no. 06, 843–858.
- Juliard, C., and Thore, P. D., 1999, Modelling of local velocity anomalies: a cookbook: *Geophys. Prosp.*, **47**, no. 3, 299–312.
- Kabir, M. M. N., and Verschuur, D. J., 1995, Restoration of missing offsets by parabolic Radon transform: *Geophys. Prosp.*, **43**, no. 03, 347–368.
- Kahler, S., and Meissner, R., 1983, Radiation and receiver pattern of shear-waves and compressional-waves as a function of Poisson's-ratio: *Geophys. Prosp.*, **31**, no. 03, 421–435.
- Kamenetsky, F. M., and Novikov, P. V., 1997, A physical study of low-frequency dispersion of rock conductivity in time-domain electromagnetics: *Geophys. Prosp.*, **45**, no. 3, 421–434.
- Kang, I. B., and McMechan, G. A., 1993, Viscoelastic seismic responses of 2D reservoir models: *Geophys. Prosp.*, **41**, no. 02, 149–164.
- Kara, I., Aydogan, D., and Yuksel, F. A., 1998, Short note: A simple nomogram for interpretation due to magnetic horizontal cylinders: *Geophys. Prosp.*, **46**, no. 6, 659–663.
- Karastathis, V., and Papamarinopoulos, S. P., 1997, The detection of King Xerxes' Canal by the use of shallow reflection and refraction seismics – Preliminary results: *Geophys. Prosp.*, **45**, no. 3, 389–401.

- Karous, M., and Hjelt, S. E., 1983, Linear filtering of very-low-frequency (vlf) dip-angle measurements: *Geophys. Prosp.*, **31**, no. 05, 782–794.
- Karous, M., and Pernu, T. K., 1985, Combined sounding-profiling resistivity measurements with the three-electrode arrays: *Geophys. Prosp.*, **33**, no. 03, 447–459.
- Kaufman, A. A., 1985, Tutorial - Distribution of alternating electrical charges in a conducting medium: *Geophys. Prosp.*, **33**, no. 02, 171–184.
- Keating, P., 1993, The fractal dimension of gravity data sets and its implication for gridding: *Geophys. Prosp.*, **41**, no. 08, 983–994.
- Keating, P., 1995, Error estimation and optimization of gravity surveys: *Geophys. Prosp.*, **43**, no. 04, 569–580.
- Keating, P., 1997, Automated trend reinforcement of aeromagnetic data: *Geophys. Prosp.*, **45**, no. 3, 521–534.
- Kelamis, P. G., and Chiburis, E. F., 1988, Post critical wavelet estimation and deconvolution: *Geophys. Prosp.*, **36**, no. 05, 504–522.
- Kelamis, P. G., and Kjartansson, E., 1985, Forward modeling in the frequency-space domain: *Geophys. Prosp.*, **33**, no. 02, 252–262.
- Kelamis, P. G., 1987, Comment on 'The exact seismic response of an ocean and a n-layer configuration', by Drijkoningen, G. G., et al (gpr-35-01-0033-0061): *Geophys. Prosp.*, **35**, no. 09, 1065–1067.
- Keller, T., Motschmann, U., and Engelhard, L., 1999, Modelling the poroelasticity of rocks and ice: *Geophys. Prosp.*, **47**, no. 4, 509–526.
- Kelly, S., Baltensperger, P., and McMechan, G. A., 1997, P-to-S conversion for a thin anisotropic zone produced by vertical fracturing: *Geophys. Prosp.*, **45**, no. 4, 551–570.
- Kennett, B. L. N., and Harding, A. J., 1984, Guided low-frequency noise from airgun sources: *Geophys. Prosp.*, **32**, no. 04, 690–705.
- Kennett, B. L. N., 1984, An operator approach to forward modeling data-processing and migration: *Geophys. Prosp.*, **32**, no. 06, 1074–1090.
- Kerner, C., 1990, Modelling of soft sediments and liquid-solid interfaces: Modified wave number summation method and application: *Geophys. Prosp.*, **38**, no. 02, 111–138.
- Kessels, W., Flentge, I., and Kolditz, H., 1985, DC geoelectric sounding to determine water content in the salt mine Asse Federal Republic-of-Germany: *Geophys. Prosp.*, **33**, no. 03, 436–446.
- Keydar, S., Landa, E., Gelchinsky, B., and Belfer, I., 1998, Multiple prediction using the homeomorphic-imaging technique: *Geophys. Prosp.*, **46**, no. 4, 423–440.

- Khaksar, A., Griffiths, C. M., and McCann, C., 1999, Compressional- and shear-wave velocities as a function of confining stress in dry sandstones: *Geophys. Prosp.*, **47**, no. 4, 487–508.
- Kilty, K. T., 1984, On the origin and interpretation of self-potential anomalies: *Geophys. Prosp.*, **32**, no. 01, 51–62.
- Kim, J. Y., and Behrens, J., 1986, Experimental evidence of S-wave: *Geophys. Prosp.*, **34**, no. 01, 100–108.
- Kindelan, M., Seriani, G., and Sguazzero, P., 1989, Elastic modelling and its application to amplitude versus angle interpretation: *Geophys. Prosp.*, **37**, no. 01, 3–30.
- King, M. S., Myer, L. R., and Rezowalli, J. J., 1986, Experimental studies of elastic-wave propagation in a columnar jointed rock mass: *Geophys. Prosp.*, **34**, no. 08, 1185–1199.
- King, M. S., Zimmerman, R. W., and Corwin, R. F., 1988, Seismic and electrical properties of unconsolidated permafrost: *Geophys. Prosp.*, **36**, no. 04, 349–364.
- Kinneging, N. A., Budejicky, V., Wapenaar, C. P. A., and Berkhout, A. J., 1989, Efficient 2D and 3D shot record redatuming: *Geophys. Prosp.*, **37**, no. 05, 493–530.
- Kirchheimer, F., 1990, Residual statics by CDP-localized stack optimization: *Geophys. Prosp.*, **38**, no. 06, 577–606.
- Klaassen, K. B., and van Peppen, J. C. L., 1983, Electronic acceleration sensitive geophone for seismic prospecting: *Geophys. Prosp.*, **31**, no. 03, 457–480.
- Klemperer, S. L., and Oliver, J. E., 1983, The advantage of length in deep crustal reflection profiles: *First Break*, **01**, no. 04, 20–27.
- Klimentos, T., 1991, Geometric corrections in attenuation measurements: *Geophys. Prosp.*, **39**, no. 02, 193–218.
- Klinge, E. E., Marson, I., and Kahle, H.-G., 1991, Automatic interpretation of gravity gradiometric data in two dimensions: Vertical gradient: *Geophys. Prosp.*, **39**, no. 03, 407–434.
- Knecht, M., and Edelmann, H. A. K., 1987, Processing shear-wave VSP data: *Geophys. Prosp.*, **35**, no. 09, 955–972.
- Kneib, G., and Bardan, V., 1997, 3D targeted multiple attenuation: *Geophys. Prosp.*, **45**, no. 4, 701–714.
- Kohlbeck, F., 1985, Computing the kernel function in resistivity sounding with an arbitrary electrode configuration: *Geophys. Prosp.*, **33**, no. 01, 128–137.
- Kommedal, J. H., and Tjøstheim, B. A., 1989, Tutorial: A study of different methods of wavefield separation for application to VSP data: *Geophys. Prosp.*, **37**, no. 02, 117–142.

- Koren, Z., 1990, An advanced CMP ray-tracing: *Geophys. Prosp.*, **38**, no. 07, 779–794.
- Kormendi, A., Bodoky, T., Hermann, L., Dianiska, L., and Kalman, T., 1986, Seismic measurements for safety in mines: *Geophys. Prosp.*, **34**, no. 07, 1022–1037.
- Kosloff, D., Filho, A. Q., Tessmer, E., and Behle, A., 1989, Numerical solution of the acoustic and elastic wave equations by a new rapid expansion method: *Geophys. Prosp.*, **37**, no. 04, 383–394.
- Kovalevsky, E. V., and Kharchenko, V. I., 1992, Integrated interpretation of marine engineering geological and geophysical data on the principles of expert system technology: *Geophys. Prosp.*, **40**, no. 08, 909–923.
- Krajewski, P., Dresen, L., Schott, W., and Ruter, H., 1987, Studies of roadway modes in a coal seam by dispersion and polarization analysis - A case-history: *Geophys. Prosp.*, **35**, no. 07, 767–786.
- Krajewski, C., Dresen, L., Gelbke, C., and Ruter, H., 1989, Iterative tomographic methods to locate seismic low-velocity anomalies: A model study: *Geophys. Prosp.*, **37**, no. 07, 717–752.
- Kravis, S. P., 1985, Estimation of marine-source signatures from direct arrivals to hydrophone groups: *Geophys. Prosp.*, **33**, no. 07, 987–998.
- Krey, T. C., 1987, Attenuation of random noise by Two-D and Three-D CDP stacking and Kirchhoff migration: *Geophys. Prosp.*, **35**, no. 02, 135–147.
- Krishna, V., Rao, N., and Sarkar, D., 1999, The problem of velocity inversion in refraction seismics: some observations from modelling results: *Geophys. Prosp.*, **47**, no. 3, 341–357.
- Kristiansen, K., 1983, Norwegian exploration policy: *First Break*, **01**, no. 10, 9–12.
- Krollpfeiffer, D., Dresen, L., Hsieh, C. H., and Chern, C. C., 1988, Detection and resolution of thin layers - A model seismic study: *Geophys. Prosp.*, **36**, no. 03, 244–264.
- Kuhn, M., and Drach, V., 1984, On the possibility of seismic exploration using surface torque source and related topics: *Geophys. Prosp.*, **32**, no. 02, 198–227.
- Kuhn, M. J., 1985, A numerical study of Lamb's problem: *Geophys. Prosp.*, **33**, no. 08, 1103–1137.
- Kuhn, M. J., 1987, Evanescent effects in acoustical wave propagation: *Geophys. Prosp.*, **35**, no. 02, 167–186.
- Kulenkampff, J. M., and Yaramanci, U., 1993, Frequency-dependent complex resistivity of rock-salt samples and related petrophysical parameters: *Geophys. Prosp.*, **41**, no. 08, 995–1008.



- Kurtulus, C., 1993, Seismic stratigraphy in high resolution shallow marine seismic data of the Gemlik Gulf: *Geophys. Prosp.*, **41**, no. 07, 913–926.
- Kuth, C., and Neubauer, F. M., 1988, Multifrequency inversion of induction logs: *Geophys. Prosp.*, **36**, no. 01, 66–82.
- Kwok, Y.-K., 1991, Gravity gradient tensors due to a polyhedron with polygonal facets: *Geophys. Prosp.*, **39**, no. 03, 435–444.
- Lamarque, G., 1999, Improvement of MT data processing using stationary and coherence tests: *Geophys. Prosp.*, **47**, no. 4, 819–840.
- Landa, E., Shtivelman, V., and Belchinsky, B., 1987, A method for detection of diffracted waves on common-offset sections: *Geophys. Prosp.*, **35**, no. 04, 359–373.
- Landa, E., Kosloff, D., Keydar, S., Koren, Z., and Reshef, M., 1988, A method for determination of velocity and depth from seismic reflection data: *Geophys. Prosp.*, **36**, no. 03, 223–243.
- Landa, E., Thore, P., and Reshef, M., 1993, Model-based stack: A method for constructing an accurate zero-offset section for complex overburdens: *Geophys. Prosp.*, **41**, no. 06, 661–670.
- Landa, E., Keydar, S., and Kravtsov, A., 1995, Determination of a shallow velocity-depth model from seismic refraction data by coherence inversion: *Geophys. Prosp.*, **43**, no. 02, 177–190.
- Landro, M., 1992, Modelling of GI gun signatures: *Geophys. Prosp.*, **40**, no. 07, 721–747.
- Langhammer, J., and Landro, M., 1993, Temperature effects on airgun signatures: *Geophys. Prosp.*, **41**, no. 06, 737–750.
- Langore, L., Alikaj, P., and Gjovreku, D., 1989, Achievements in copper sulphide exploration in Albania with IP and EM methods: *Geophys. Prosp.*, **37**, no. 08, 975–992.
- Lanne, E., 1986, Statistical multivariate analysis of airborne geophysical data on the SE border of the central Lapland Greenstone complex: *Geophys. Prosp.*, **34**, no. 07, 1111–1128.
- Lapenna, V., Macchiato, M., Patella, D., Satriano, C., Serio, C., and Tramutoli, V., 1994, Statistical analysis of non-stationary voltage recordings in geoelectrical prospecting: *Geophys. Prosp.*, **42**, no. 07, 917–952.
- Laws, R., Parkes, G., and Hatton, L., 1988, Energy interaction - The long-range interaction of seismic sources: *Geophys. Prosp.*, **36**, no. 04, 333–348.
- Laws, R., Landro, M., and Amundsen, L., 1998, An experimental comparison of three direct methods of marine source signature estimation: *Geophys. Prosp.*, **46**, no. 4, 353–389.

- Lecomte, I., 1999, Local and controlled prestack depth migration: *Geophys. Prosp.*, **47**, no. 4, 799–818.
- Lee, S. K., and Buselli, G., 1988, Transient EM analogue modelling for Korean treasure hunting with the SIROTEM system: *Geophys. Prosp.*, **36**, no. 08, 976–994.
- Lee, T., and Thomas, L., 1992, The transient electromagnetic response of a polarizable sphere in a conducting half space: *Geophys. Prosp.*, **40**, no. 05, 541–564.
- Lee, T., 1983, The transient electromagnetic response of a conducting sphere in an imperfectly conducting half-space: *Geophys. Prosp.*, **31**, no. 05, 766–781.
- Lee, T., 1984, The effect of a superparamagnetic layer on the transient electromagnetic response of a ground: *Geophys. Prosp.*, **32**, no. 03, 480–496.
- Leggett, M., Goult, N. R., and Kragh, J. E., 1993, Study of traveltimes and amplitude time-lapse tomography using physical model data: *Geophys. Prosp.*, **41**, no. 05, 599–620.
- Lehmann, H. J., and Houba, W., 1985, Practical aspects of the determination of three-dimensional stacking velocities: *Geophys. Prosp.*, **33**, no. 01, 34–51.
- Leidenfrost, A., Ettrich, N., Gajewski, D., and Kosloff, D., 1999, Comparison of six different methods for calculating traveltimes: *Geophys. Prosp.*, **47**, no. 3, 269–297.
- Lendzionowski, V., Walden, A. T., and White, R. E., 1990, Seismic character mapping over reservoir intervals: *Geophys. Prosp.*, **38**, no. 08, 951–970.
- Lerwill, W. E., 1983, Reply to comments on 'The amplitude and phase response of a seismic vibrator', by Lerwill, W. E. (gpr-29-04-0503-0528): *Geophys. Prosp.*, **31**, no. 06, 997–999.
- Levin, S. A., and Lee, S. Y. C., 1990, Comment on 'Efficient 2D and 3D shot record re-datuming', by N. A. Kinneking, V. Budejicky, C. P. A. Wapenaar, and A. J. Berkhout, (gpr-37-5-493-530) with reply by author: *Geophys. Prosp.*, **38**, no. 05, 569–576.
- Levin, F. K., 1984, Anisotropy due to bedding - A computer study: *Geophys. Prosp.*, **32**, no. 02, 187–197.
- Levin, F. K., 1995, Reflection points and surface points: *Geophys. Prosp.*, **43**, no. 06, 831–841.
- Li, X.-Y., and Crampin, S., 1993a, Approximations to shear-wave velocity and move-out equations in anisotropic media: *Geophys. Prosp.*, **41**, no. 07, 833–858.
- Li, X.-Y., and Crampin, S., 1993b, Variation of reflection and transmission coefficients with crack strike and crack density in anisotropic media: *Geophys. Prosp.*, **41**, no. 07, 859–882.
- Li, Y., and Oldenburg, D. W., 1991, Aspects of charge accumulation in DC resistivity experiments: *Geophys. Prosp.*, **39**, no. 06, 803–826.

- Li, X., and Pedersen, L. B., 1994a, Comment on 'Some remarks on the behaviour of the magnetotelluric phase', by G. Fischer (gpr-33-5-716-722) with reply by author: *Geophys. Prosp.*, **42**, no. 01, 93–97.
- Li, X., and Pedersen, L. B., 1994b, Comment on 'Three-dimensional interpretation of multiple-source bipole-dipole resistivity data using the apparent resistivity tensor', by H. M. Bibby and G. W. Hohmann (gpr-41-6-697-724) and reply by authors: *Geophys. Prosp.*, **42**, no. 05, 525–529.
- Li, X.-Y., and Yuan, J., 1999, Geophone orientation and coupling in three-component sea-floor data: a case study: *Geophys. Prosp.*, **47**, no. 4, 995–1014.
- Li, X.-Y., MacBeth, C., and Crampin, S., 1998, Interpreting non-orthogonal split shear waves for seismic anisotropy in multicomponent VSPs: *Geophys. Prosp.*, **46**, no. 1, 1–27.
- Li, X.-Y., 1997a, Fractured reservoir delineation using multicomponent seismic data: *Geophys. Prosp.*, **45**, no. 1, 39–64.
- Li, X.-P., 1997b, Elimination of ghost noise in vibroseis data by deconvolution: *Geophys. Prosp.*, **45**, no. 6, 909–929.
- Li, X.-P., 1997c, Elimination of higher modes in dispersive in-seam multimode Love waves: *Geophys. Prosp.*, **45**, no. 6, 945–961.
- Li, X.-P., 1998, Wavelet power spectrum analysis of heterogeneities from sonic velocity logs: *Geophys. Prosp.*, **46**, no. 5, 455–475.
- Liao, Q., and McMechan, G. A., 1995, 2.5d full-wavefield viscoacoustic inversion: *Geophys. Prosp.*, **43**, no. 08, 1043–1059.
- Lichman, E., and Northwood, E. J., 1995, Phase inversion deconvolution for long and short period multiples attenuation: *Geophys. Prosp.*, **43**, no. 04, 469–486.
- Lile, O. B., Backe, K. R., Elvebakk, H., and Buan, J. E., 1994, Resistivity measurements on the sea bottom to map fracture zones in the bedrock underneath sediments: *Geophys. Prosp.*, **42**, no. 07, 813–826.
- Lines, L. R., and Treitel, S., 1984, Tutorial - A review of least-squares inversion and its application to geophysical problems: *Geophys. Prosp.*, **32**, no. 02, 159–186.
- Linping, H., Zhining, G., and Changli, Y., 1997, Comment on : 'An analytic signal approach to the interpretation of total field magnetic anomalies' by Shuang Qin: *Geophys. Prosp.*, **45**, no. 5, 879–881.
- Liu, H. P., and Peselnick, L., 1986, Improved phase-ellipse method for in-situ geophone calibration: *Geophys. Prosp.*, **34**, no. 04, 537–544.
- Liu, E., Crampin, S., and Roth, B., 1992, Modelling channel waves with synthetic seismograms in an anisotropic in-seam seismic survey: *Geophys. Prosp.*, **40**, no. 05, 513–540.

- Liu, G., 1994, Tectonic modelling in the Bjornoya West basin of the western Barents Sea: *Geophys. Prosp.*, **42**, no. 04, 277–302.
- Loewenthal, D., Lee, S. S., and Gardner, G. H. F., 1985, Deterministic estimation of a wavelet using impedance type technique: *Geophys. Prosp.*, **33**, no. 07, 956–969.
- Loewenthal, D., 1994, Comment on 'Aspects of 1D seismic modelling using the Goupillaud principle', by Evert Slob and Anton Ziolkowski (gpr-41-2-135-148) and reply by authors: *Geophys. Prosp.*, **42**, no. 01, 89–92.
- Loinger, E., 1983a, A linear model for velocity anomalies: *Geophys. Prosp.*, **31**, no. 01, 98–118.
- Loinger, E., 1983b, Reply to comments on 'A linear model for velocity anomalies', by Loinger, E. (gpr-31-01-0098-0118): *Geophys. Prosp.*, **31**, no. 05, 842.
- Longbottom, J., Walden, A. T., and White, R. E., 1988, Principles and application of maximum kurtosis phase estimation: *Geophys. Prosp.*, **36**, no. 02, 115–138.
- Lou, M., and Crampin, S., 1993, Modelling guided waves in cross-hole surveys in uncracked and cracked rock: *Geophys. Prosp.*, **41**, no. 03, 241–266.
- Louis, J., Papadopoulos, T., Drakatos, G., and Pantzartzis, P., 1995, Conventional and modern seismic investigations for rock quality determination at a dam site - A case study: *Geophys. Prosp.*, **43**, no. 06, 779–792.
- Lowe, C., Best, M., Bobrowsky, P., and Seemann, D., 1998, Integrated geophysics for mineral exploration in drift-covered volcanic terrains: examples from northern Vancouver Island, Canada: *Geophys. Prosp.*, **46**, no. 03, 201–225.
- Lucas, A. L., 1983, Comment on 'A linear model for velocity anomalies', by Loinger, E. (gpr-31-01-0098-0118): *Geophys. Prosp.*, **31**, no. 05, 840–841.
- Lugg, R. D., and Brummitt, J. G., 1986, The P400 watergun source in the quest for improved resolution at all depths: *Geophys. Prosp.*, **34**, no. 05, 665–685.
- Lyness, D., 1985, The gravimetric detection of mining subsidence: *Geophys. Prosp.*, **33**, no. 04, 567–576.
- Lynn, W., and Larner, K., 1989, Effectiveness of wide marine seismic source arrays: *Geophys. Prosp.*, **37**, no. 02, 181–208.
- MacBeth, C., and Crampin, S., 1991a, Comparison of signal processing techniques for estimating the effects of anisotropy: *Geophys. Prosp.*, **39**, no. 03, 357–386.
- MacBeth, C., and Crampin, S., 1991b, Examination of a spectral method for measuring the effects of anisotropy: *Geophys. Prosp.*, **39**, no. 05, 667–690.
- MacBeth, C., and Yardley, G. S., 1992, Optimal estimation of crack-strike: *Geophys. Prosp.*, **40**, no. 08, 849–872.

- MacBeth, C., Boyd, M., Rizer, W., and Queen, J., 1998, Estimation of reservoir fracturing from marine VSP using local shear-wave conversion: *Geophys. Prosp.*, **46**, no. 1, 29–50.
- MacBeth, C., 1997, Reply to: Comment on 'A case example of near-surface correction for multicomponent VSPs' by Gildas Omnes: *Geophys. Prosp.*, **45**, no. 4, 723–724.
- Mace, D., and Lailly, P., 1986, Solution of the VSP one-dimensional inverse problem: *Geophys. Prosp.*, **34**, no. 07, 1002–1021.
- Maeland, E., 1988, Artefacts in zero-offset migration: *Geophys. Prosp.*, **36**, no. 06, 633–643.
- Maeland, E., 1993, On the construction of the 3D band-limited extrapolation operator in the space-frequency domain: *Geophys. Prosp.*, **41**, no. 05, 645–658.
- Maeland, E., 1997, Seismic migration and velocity analysis: *Geophys. Prosp.*, **45**, no. 4, 641–651.
- Mahan, M. K., Redman, J. D., and Strangway, D. W., 1986, Complex resistivity of synthetic sulphide bearing rocks: *Geophys. Prosp.*, **34**, no. 05, 743–768.
- Maillo, J., Seguin, M.-K., Gupta, O., Akhauri, H., and Sen, N., 1999, Electrical resistivity tomography survey for delineating uncharted mine galleries in West Bengal, India: *Geophys. Prosp.*, **47**, no. 2, 103–116.
- Mallick, K., and Murthy, Y. V. S., 1983, Interpretation of geological structures by analysis of Landsat MSS and regional Bouguer gravity data: *First Break*, **01**, no. 11, 9–12.
- Mansinha, L., 1984, Zero-phase forward filters for resistivity sounding: *Geophys. Prosp.*, **32**, no. 06, 1155–1166.
- Mansinha, L., 1986, Reply to comments on 'Zero-phase forward filters for resistivity sounding', by Mansinha, L. (gpr-32-06-1155-1166): *Geophys. Prosp.*, **34**, no. 08, 1289–1291.
- March, D. W., and Bailey, A. D., 1983, A review of the two-dimensional transform and its use in seismic processing: *First Break*, **01**, no. 01, 9–21.
- March, D. W., 1991, Editorial: *Geophys. Prosp.*, **39**, no. 06, 721–722.
- Mari, J. L., 1989, Q-log determination on downgoing wavelets and tube wave analysis in vertical seismic profiles: *Geophys. Prosp.*, **37**, no. 03, 257–278.
- Mars, J., Rector, J. W., and Lazaratos, S. K., 1999, Filter formulation and wavefield separation of cross-well seismic data: *Geophys. Prosp.*, **47**, no. 4, 610–636.
- Marsset, B., Missiaen, T., de Roeck, Y.-H., Noble, M., Versteeg, W., and Henriët, J., 1998, Very high resolution 3D marine seismic data processing for geotechnical applications: *Geophys. Prosp.*, **46**, no. 2, 105–120.

- Martin, J. E., and White, R. E., 1989, Two methods for continuous monitoring of harmonic distortion in Vibroseis signals: *Geophys. Prosp.*, **37**, no. 07, 851–872.
- Martinez, R. D., and McMechan, G. A., 1991a, Tau-p seismic data for viscoelastic media - Part 1: Modelling: *Geophys. Prosp.*, **39**, no. 02, 141–156.
- Martinez, R. D., and McMechan, G. A., 1991b, Tau-p seismic data for viscoelastic media - Part 2: Linearized inversion: *Geophys. Prosp.*, **39**, no. 02, 157–182.
- Mathur, S. P., 1983, Deep reflection probes in eastern Australia reveal differences in the nature of the crust: *First Break*, **01**, no. 07, 9–16.
- Matias, M. J. S., and Habberjam, G. M., 1984, A field example of the use of anisotropy parameters derived from resistivity soundings: *Geophys. Prosp.*, **32**, no. 04, 725–739.
- Mauriello, P., and Patella, D., 1999, Resistivity anomaly imaging by probability tomography: *Geophys. Prosp.*, **47**, no. 3, 411–429.
- Mauriello, P., Monna, D., and Patella, D., 1998, 3D geoelectric tomography and archaeological applications: *Geophys. Prosp.*, **46**, no. 5, 543–570.
- Mazzotti, A., and Ravagnan, G., 1995, Impact of processing on the amplitude versus offset response of a marine seismic data set: *Geophys. Prosp.*, **43**, no. 03, 263–281.
- Mazzotti, A., Melis, A. M., Ravagnan, G., and Bernasconi, G., 1994, AVO signatures of actual and synthetic reflections from different petrophysical targets: *Geophys. Prosp.*, **42**, no. 05, 463–476.
- Mazzotti, A., 1991, Amplitude, phase and frequency versus offset applications: *Geophys. Prosp.*, **39**, no. 07, 863–886.
- McCann, D. M., Andrew, E. M., and McCann, C., 1985, Seismic sources for shallow reflection surveying: *Geophys. Prosp.*, **33**, no. 07, 943–955.
- McGee, T. M., 1990, The use of marine seismic profiling for environmental assessment: *Geophys. Prosp.*, **38**, no. 08, 861–880.
- McGee, T. M., 1991, Modelling 1-D wave propagation in a system of absorbing layers: *Geophys. Prosp.*, **39**, no. 01, 29–50.
- McGillivray, P. R., and Oldenburg, D. W., 1990, Methods for calculating Fréchet derivatives and sensitivities for the non-linear inverse problem: A comparative study: *Geophys. Prosp.*, **38**, no. 05, 499–524.
- McKay, A. G., 1991, Comment on 'The use of marine seismic profiling for environmental assessment' by T. M. McGee (gpr-38-8-861-880): *Geophys. Prosp.*, **39**, no. 07, 967–972.
- McMechan, G. A., 1983, Migration by extrapolation of time-dependent boundary values: *Geophys. Prosp.*, **31**, no. 03, 413–420.

- Meissner, R., and Leuschen, E., 1983, Seismic near-vertical reflection studies of the earth's crust in the Federal Republic of Germany: *First Break*, **01**, no. 02, 19–24.
- Meister, J., and Dresen, L., 1987, Hybrid seismic modelling - A technique to combine physical and computer methods for vertical-wave incidence: *Geophys. Prosp.*, **35**, no. 07, 815–831.
- Menichetti, V., and Guillen, A., 1983, Simultaneous interactive magnetic and gravity inversion: *Geophys. Prosp.*, **31**, no. 06, 929–944.
- Meredith, J. A., Toksoz, M. N., and Cheng, C. H., 1993, Secondary shear waves from source boreholes: *Geophys. Prosp.*, **41**, no. 03, 287–312.
- Meyer, H. G., 1991, Some remarks on noise stability in dynamic inversion of reflection seismic data: *Geophys. Prosp.*, **39**, no. 08, 1005–1014.
- Michelena, R. J., Muir, F., and Harris, J. M., 1993, Anisotropic travelttime tomography: *Geophys. Prosp.*, **41**, no. 04, 381–412.
- Michette, A. G., Darling, A. M., Fiddy, M. A., Ward, W. A., and Franklin, E., 1984, Resolution enhancement of well-log and seismic data: *Geophys. Prosp.*, **32**, no. 04, 564–580.
- Mickus, K. L., and Peeples, W. J., 1992, Inversion of gravity and magnetic data for the lower surface of a 2.5 dimensional sedimentary basin: *Geophys. Prosp.*, **40**, no. 02, 171–194.
- Milkereit, B., Stumpel, H., and Rabbel, W., 1986, Shear-wave reflection profiling for near-surface lignite exploration: *Geophys. Prosp.*, **34**, no. 06, 845–855.
- Milkereit, B., 1987, Decomposition and inversion of seismic data - An instantaneous slowness approach: *Geophys. Prosp.*, **35**, no. 08, 875–894.
- Misiek, R., Liebig, A., Gyulai, A., Ormos, T., Dobroka, M., and Dresen, L., 1997, A joint inversion algorithm to process geoelectric and surface wave seismic data. Part II: applications: *Geophys. Prosp.*, **45**, no. 1, 65–85.
- Mitchell, A. R., and Stokes, W. D., 1986, Sampling and minimum phase from both a continuous and discrete point of view: *Geophys. Prosp.*, **34**, no. 06, 807–821.
- Mitchell, K. L., 1983, Comment on 'The amplitude and phase response of a seismic vibrator', by Lerwill, W. E. (gpr-29-04-0503-0528): *Geophys. Prosp.*, **31**, no. 05, 843–844.
- Mitsuhata, Y., Matsuo, K., and Minegishi, M., 1999, Magnetotelluric survey for exploration of a volcanic-rock reservoir in the Yurihara oil and gas field, Japan: *Geophys. Prosp.*, **47**, no. 2, 195–218.
- Mittet, R., Hokstad, K., Helgesen, J., and Canadas, G., 1997, Imaging of offset VSP data with an elastic iterative migration scheme: *Geophys. Prosp.*, **45**, no. 2, 247–267.

- Mjelde, R., 1992, Reflection and polarization of tube waves as seen in VSP data: *Geophys. Prosp.*, **40**, no. 06, 605–618.
- Mohsen, A. A., and Hashish, E. A., 1994, The fast Hankel transform: *Geophys. Prosp.*, **42**, no. 02, 131–139.
- Molano, C. E., Salamanca, M., and van Overmeeren, R. A., 1990, Numerical modelling of standard and continuous vertical electrical soundings: *Geophys. Prosp.*, **38**, no. 07, 705–718.
- Monk, D. J., 1993, Wave-equation multiple suppression using constrained gross-equalization: *Geophys. Prosp.*, **41**, no. 06, 725–736.
- Mooney, H. M., 1983, Synthetic seismograms for body-waves - An overview: *First Break*, **01**, no. 12, 9–20.
- Morgan, P., Boulos, F. K., and Swanberg, C. A., 1983, Regional geothermal exploration in Egypt: *Geophys. Prosp.*, **31**, no. 02, 361–376.
- Morgan, F. D., 1987, Comments on 'The application of very-high-frequency (vhf) measurements to earthquake prediction', by Singh, R. P., et al (gpr-33-08-1232-1239): *Geophys. Prosp.*, **35**, no. 05, 618–619.
- Morris, M., Ronning, J. S., and Lile, O. B., 1997, Detecting lateral resistivity inhomogeneities with the Schlumberger array: *Geophys. Prosp.*, **45**, no. 3, 435–448.
- Morris, M., Ronning, J., and Lile, O., 1998, Reply to comment on: 'Detecting lateral resistivity inhomogeneities with the Schlumberger array' by B. Sretenovic: *Geophys. Prosp.*, **46**, no. 03, 351–352.
- Moscicki, W. J., 1987, Temperature anomalies over underground cavities: *Geophys. Prosp.*, **35**, no. 04, 392–423.
- Mosegaard, K., and Vestergaard, P. D., 1991, A simulated annealing approach to seismic model optimization with sparse prior information: *Geophys. Prosp.*, **39**, no. 05, 599–612.
- Mosegaard, K., 1985, Insufficiently sampled Q-values - A cause of wavelet distortion in the generation of synthetic seismograms: *Geophys. Prosp.*, **33**, no. 06, 817–827.
- Moser, T., and Pajchel, J., 1997, Recursive seismic ray modelling: applications in inversion and VSP: *Geophys. Prosp.*, **45**, no. 6, 885–908.
- Mueller, S., and Banda, E., 1983, The European geotraverse: *First Break*, **01**, no. 08, 25–28.
- Mufti, I. R., 1985, Seismic modeling in the implicit mode: *Geophys. Prosp.*, **33**, no. 05, 619–656.
- Mundry, E., and Blohm, E. K., 1987, Frequency electromagnetic sounding using a vertical magnetic dipole: *Geophys. Prosp.*, **35**, no. 01, 110–123.



- Mundry, E., and Zschau, H. J., 1983, Geoelectrical models involving layers with a linear change in resistivity and their use in the investigation of clay deposits: *Geophys. Prosp.*, **31**, no. 05, 810–828.
- Mundry, E., 1984a, Geoelectrical model calculations for two-dimensional resistivity distributions: *Geophys. Prosp.*, **32**, no. 01, 124–131.
- Mundry, E., 1984b, On the interpretation of airborne electromagnetic data for the two-layer case: *Geophys. Prosp.*, **32**, no. 02, 336–346.
- Murat, M. E., and Rudman, A. J., 1992, Automated first arrival picking: A neural network approach: *Geophys. Prosp.*, **40**, no. 06, 587–604.
- Murthy, Y. V. S., and Mallick, K., 1984, Interpretation of Landsat multispectral scanner (mss) data in an iron-ore-bearing-zone in Goa India: *Geophys. Prosp.*, **32**, no. 02, 282–291.
- Nandi, B., Shaw, R., and Agarwal, B., 1997, A short note on: Identification of the shape of simple causative sources from gravity data: *Geophys. Prosp.*, **45**, no. 3, 513–520.
- Nass, O. E., and Bruland, L., 1989, Improvement of multichannel seismic data through application of the median concept: *Geophys. Prosp.*, **37**, no. 03, 225–242.
- Nechtschein, S., and Hron, F., 1997, Effects of anelasticity on reflection and transmission coefficients: *Geophys. Prosp.*, **45**, no. 5, 775–793.
- Negi, J. G., Gupta, O. P., and Joshi, M. S., 1987, Corrections for conductivity estimates in induction prospecting of sulphide dykes in a layered environment: *Geophys. Prosp.*, **35**, no. 06, 718–734.
- Newman, G. A., and Alumbaugh, D. L., 1995, Frequency-domain modelling of airborne electromagnetic responses using staggered finite differences: *Geophys. Prosp.*, **43**, no. 08, 1021–1042.
- Newman, P., 1985, Continuous calibration of marine seismic sources: *Geophys. Prosp.*, **33**, no. 02, 224–232.
- Nickel, H., Sender, F., Thierbach, R., and Weichart, H., 1983, Exploring the interior of salt-domes from boreholes: *Geophys. Prosp.*, **31**, no. 01, 131–148.
- Nicollin, F., and Kofman, W., 1994, Ground-penetrating radar sounding of a temperate glacier; modelling of a multilayered medium: *Geophys. Prosp.*, **42**, no. 07, 715–734.
- Nielsen, P., If, F., Berg, P., and Skovgaard, O., 1994, Using the pseudospectral technique on curved grids for 2D acoustic forward modelling: *Geophys. Prosp.*, **42**, no. 04, 321–341.
- Nielsen, P., If, F., Berg, P., and Skovgaard, O., 1995, Using the pseudospectral method on curved grids for 2D elastic forward modelling: *Geophys. Prosp.*, **43**, no. 03, 369–395.

- Nielsen, P. H., 1990, Comment on 'A review of least-squares inversion and its application to geophysical problems', by L. R. Lines and S. Treitel, (gpr-32-2-159-186) with reply by author: *Geophys. Prosp.*, **38**, no. 01, 101–103.
- Nishizawa, O., and Noro, H., 1995, Bootstrap statistics for velocity tomography: Application of a new information criterion: *Geophys. Prosp.*, **43**, no. 02, 157–176.
- Nissen, J., and Enmark, T., 1986, An optimized digital filter for the Fourier transform: *Geophys. Prosp.*, **34**, no. 06, 897–903.
- Nissen, J., 1986, A versatile electromagnetic modeling program for Two-D structures: *Geophys. Prosp.*, **34**, no. 07, 1099–1110.
- Nissen, J., 1987, Comment on 'Frequency electromagnetic sounding using a vertical magnetic dipole', by Mundry, E., et al (gpr-35-01-0110-0123): *Geophys. Prosp.*, **35**, no. 08, 934.
- Niwas, S., and Israel, M., 1989, Matrix method for the transformation of resistivity sounding data of one electrode configuration to that of another configuration: *Geophys. Prosp.*, **37**, no. 02, 209–222.
- Niwas, S., and Israil, M., 1987, A simple method of interpretation of resistivity sounding data using exponential approximation of the kernel function: *Geophys. Prosp.*, **35**, no. 05, 548–567.
- Niwas, S., 1991, Transformation of line-source resistivity data to point-source data and vice versa using the matrix method: *Geophys. Prosp.*, **39**, no. 01, 95–104.
- Nobes, D. C., Hamilton, T. S., and Cartwright, P., 1990, Structure of the southwestern Fraser River delta as determined from geoelectrical sounding: *Geophys. Prosp.*, **38**, no. 05, 525–544.
- Noess, O. E., 1989, Model-based transformations of common midpoint gathers: *Geophys. Prosp.*, **37**, no. 07, 781–808.
- Normark, E., and Mosegaard, K., 1993, Residual statics estimation: Scaling temperature schedules using simulated annealing: *Geophys. Prosp.*, **41**, no. 05, 565–578.
- Normark, E., 1993, Residual statics estimation by stack-power maximization in the frequency domain: *Geophys. Prosp.*, **41**, no. 05, 551–564.
- Novotny, M., 1990, Trace interpolation by slant-stack migration: *Geophys. Prosp.*, **38**, no. 08, 833–852.
- Ogilvy, R. D., and Lee, A. C., 1991, Interpretation of VLF-EM in-phase data using current density pseudosections: *Geophys. Prosp.*, **39**, no. 04, 567–580.
- Ogilvy, R. D., Cuadra, A., Jackson, P. D., and Monte, J. L., 1991, Detection of an air-filled drainage gallery by the VLF resistivity method: *Geophys. Prosp.*, **39**, no. 06, 845–860.

- Ogilvy, R. D., 1986, Theoretical transient EM response curves over a thin dipping dyke in free space - Separated inline loop configuration: *Geophys. Prosp.*, **34**, no. 05, 769–788.
- Ogilvy, R. D., 1987, Interpretation of transient electromagnetic common-loop anomalies by response characteristics: *Geophys. Prosp.*, **35**, no. 04, 454–473.
- Okabe, M., 1985a, Reply to comments on 'Boundary element method for the arbitrary inhomogeneities problem in electrical prospecting', by Okabe, M. (gpr-29-01-0039-0059): *Geophys. Prosp.*, **33**, no. 03, 472.
- Okabe, M., 1985b, Reply to comments on 'Reciprocal averaging techniques in the geoelectrical boundary element approach', by Okabe, M. (gpr-30-05-0653-0672): *Geophys. Prosp.*, **33**, no. 03, 472.
- Oliva, S. E., and Ravazzoli, C. L., 1997, Complex polynomials for the computation of 2D gravity anomalies: *Geophys. Prosp.*, **45**, no. 5, 809–818.
- Olorunfemi, M. O., and Griffiths, D. H., 1985, A laboratory investigation of the induced-polarization of the Triassic Sherwood-sandstone of Lancashire and its hydrogeological applications: *Geophys. Prosp.*, **33**, no. 01, 110–127.
- Olorunfemi, M. O., Olarewaju, V. O., and Avci, M., 1986, Geophysical investigation of a fault zone - Case-history from Ile Ife southwest Nigeria: *Geophys. Prosp.*, **34**, no. 08, 1277–1284.
- Olsen, K. B., 1989, A stable and flexible procedure for the inverse modelling of seismic first arrivals: *Geophys. Prosp.*, **37**, no. 05, 455–466.
- Olsson, O., Falk, L., Forslund, O., Lundmark, L., and Sandberg, E., 1992, Borehole radar applied to the characterization of hydraulically conductive fracture zones in crystalline rock: *Geophys. Prosp.*, **40**, no. 02, 109–142.
- Olsson, O., 1983, Computation of VLF response over half-plane and wedge models: *Geophys. Prosp.*, **31**, no. 01, 171–191.
- Omnes, G., 1997, Comment on 'A case example of near-surface correction for multi-component VSPs' by Xinwu Zeng and Colin MacBeth: *Geophys. Prosp.*, **45**, no. 4, 721–722.
- O'Neill, D. J., and Merrick, N. P., 1984, A digital linear filter for resistivity sounding with a generalized electrode array: *Geophys. Prosp.*, **32**, no. 01, 105–123.
- Ozdemir, H., and Saatcilar, R., 1990, Tutorial: Efficient multichannel filtering of seismic data: *Geophys. Prosp.*, **38**, no. 01, 1–22.
- Ozdemir, H., 1985, Maximum likelihood estimation of seismic reflection coefficients: *Geophys. Prosp.*, **33**, no. 06, 828–860.

- ozdenvar, T., and McMechan, G. A., 1997, Algorithms for staggered-grid computations for poroelastic, elastic, acoustic, and scalar wave equations: *Geophys. Prosp.*, **45**, no. 3, 403–420.
- Pal, B. P., and Dasgupta, S. P., 1984, Electrical potential due to a point current source over an inhomogeneous anisotropic earth: *Geophys. Prosp.*, **32**, no. 05, 943–954.
- Pal, B. P., and Dasgupta, S. P., 1986, Reply to comments on 'Electrical potential due to a point current source over an inhomogeneous anisotropic earth', by Pal, Barun Prosad, et al (gpr-32-05-0943-0954): *Geophys. Prosp.*, **34**, no. 07, 1134–1135.
- Palacky, A. J., 1983, Tutorial - Research applications and publications in electrical and electromagnetic methods: *Geophys. Prosp.*, **31**, no. 06, 861–872.
- Palacky, G. J., 1991, Application of the multifrequency horizontal-loop EM method in overburden investigations: *Geophys. Prosp.*, **39**, no. 08, 1061–1082.
- Palmer, D., 1983, Comment on 'Curved raypath interpretation of seismic refraction data', by Greenhalgh, S. A., et al (gpr-29-06-0853-0882): *Geophys. Prosp.*, **31**, no. 03, 542–543.
- Palmer, D., 1991, The resolution of narrow low-velocity zones with the generalized reciprocal method: *Geophys. Prosp.*, **39**, no. 08, 1031–1060.
- Panissod, C., Dabas, M., Jolivet, A., and Tabbagh, A., 1997, A novel mobile multipole system (mucep) for shallow (0-3m) geoelectrical investigation: the 'Vol-de-canards' array: *Geophys. Prosp.*, **45**, no. 6, 983–1002.
- Pant, D. R., and Greenhalgh, S. A., 1989, Blocking surface waves by a cut: Physical seismic model results: *Geophys. Prosp.*, **37**, no. 06, 589–606.
- Papansis, D. S., 1988, Comments on 'Geophysical detection of mineral conductors in tropical terrains with target conductors partly embedded in the conductive overburden', by Barongo, J. O. (gpr-35-05-0568-0589): *Geophys. Prosp.*, **36**, no. 01, 92–93.
- Parasnis, D. S., 1984, Comments on 'A theorem for direct-current regimes and some of its consequences', by Roy, A. (gpr-26-02-0442-0463): *Geophys. Prosp.*, **32**, no. 01, 139–141.
- Parasnis, D. S., 1989, Obituary: Helmer Hedstrom, 1899-1988: *Geophys. Prosp.*, **37**, no. 08, 995–996.
- Passalacqua, H., 1983, Electromagnetic fields due to a thin resistive layer: *Geophys. Prosp.*, **31**, no. 06, 945–976.
- Patella, D., and Siniscalchi, A., 1994, Two-level magnetovariational measurements for the determination of underground resistivity distributions: *Geophys. Prosp.*, **42**, no. 05, 417–444.
- Patella, D., and Tramacere, A., 1986, Geoelectric axial dipole sounding curves for a class of two-dimensional earth structures: *Geophys. Prosp.*, **34**, no. 03, 424–444.

- Patella, D., 1986a, Comment on 'Electrical potential due to a point current source over an inhomogeneous anisotropic earth', by Pal, Barun Prosad, et al (gpr-32-05-0943-0954): *Geophys. Prosp.*, **34**, no. 07, 1129–1133.
- Patella, D., 1986b, Low-pass filtering of noisy Schlumberger sounding curves part I - Theory: *Geophys. Prosp.*, **34**, no. 01, 109–123.
- Patella, D., 1987, Tutorial on interpretation of magnetotelluric measurements over an electrically dispersive one-dimensional earth: *Geophys. Prosp.*, **35**, no. 01, 1–11.
- Patella, D., 1997a, Introduction to ground surface self-potential tomography: *Geophys. Prosp.*, **45**, no. 4, 653–681.
- Patella, D., 1997b, Self-potential global tomography including topographic effects: *Geophys. Prosp.*, **45**, no. 5, 843–863.
- Patella, D., 1998, Self-potential global tomography including topographic effects: *Geophys. Prosp.*, **46**, no. 1, 103–103.
- Pathak, R., Sengupta, S., and Sinha, S., 1997, Spectral factorization technique for estimation of an ARMA operator for multichannel deconvolution of seismic data: *Geophys. Prosp.*, **45**, no. 3, 377–388.
- Peacock, S., McCann, C., Sothcott, J., and Astin, T. R., 1994, Seismic velocities in fractured rocks: An experimental verification of Hudson's theory: *Geophys. Prosp.*, **42**, no. 01, 27–80.
- Pedersen, L. B., and Rasmussen, T. M., 1989, Inversion of magnetotelluric data: A non-linear least-squares approach: *Geophys. Prosp.*, **37**, no. 06, 669–696.
- Pedersen, H. M., Gelius, L.-J., and Stamnes, J. J., 1989, 3D seismic modelling of edge diffractions: *Geophys. Prosp.*, **37**, no. 06, 639–646.
- Pedersen, L. B., Rasmussen, T. M., and Dyrelius, D., 1990, Construction of component maps from aeromagnetic total field anomaly maps: *Geophys. Prosp.*, **38**, no. 07, 795–804.
- Pedersen, L. B., Qian, W., Dynesius, L., and Zhang, P., 1994, An airborne tensor VLF system. from concept to realization: *Geophys. Prosp.*, **42**, no. 07, 863–883.
- Pedersen, L. B., 1985, The gravity and magnetic fields from ellipsoidal bodies in the wavenumber domain: *Geophys. Prosp.*, **33**, no. 02, 263–281.
- Peng, C., Cheng, C. H., and Toksoz, M. N., 1993, Borehole effects on downhole seismic measurements: *Geophys. Prosp.*, **41**, no. 07, 883–912.
- Peng, C., Cheng, C. H., and Toksoz, M. N., 1994, Cased borehole effects on downhole seismic measurements: *Geophys. Prosp.*, **42**, no. 07, 777–811.
- Pereyra, V., 1992, Two-point ray tracing in general 3D media: *Geophys. Prosp.*, **40**, no. 03, 267–288.

- Perroud, H., Hubral, P., and Hocht, G., 1999, Common-reflection-point stacking in laterally inhomogeneous media: *Geophys. Prosp.*, **47**, no. 1, 01–24.
- Phadke, S., and Kanasevich, E. R., 1990, The resolution possible in imaging with diffracted seismic waves: *Geophys. Prosp.*, **38**, no. 08, 913–932.
- Pilkington, M., and Todoeschuck, J. P., 1992, Natural smoothness constraints in cross-hole seismic tomography: *Geophys. Prosp.*, **40**, no. 02, 227–242.
- Pilkington, M., Gregotski, M. E., and Todoeschuck, J. P., 1994, Using fractal crustal magnetization models in magnetic interpretation: *Geophys. Prosp.*, **42**, no. 06, 677–692.
- Pitt, P. L., Smith, R. D., Sheffler, G. C., Warren, R. D., Clements, R. M., and Hamilton, T. S., 1988, A pulsed plasma jet acoustic source for profiling the ocean floor: *Geophys. Prosp.*, **36**, no. 05, 523–536.
- Poddar, M., and Dhanasekaran, P. C., 1986, Electromagnetic sounding of the Kapurdi lignite deposit in western Rajasthan India: *Geophys. Prosp.*, **34**, no. 04, 580–594.
- Poddar, M., and Rathor, B. S., 1983, Very-low-frequency (vlf) survey of the weathered layer in southern India: *Geophys. Prosp.*, **31**, no. 03, 524–560.
- Poddar, M., 1983, Electromagnetic sounding near a large-square loop-source of current: *Geophys. Prosp.*, **31**, no. 03, 508–523.
- Poddar, M., 1999, Grounded-source TEM modelling of some deep-seated 3D resistivity structures: *Geophys. Prosp.*, **47**, no. 4, 945–958.
- Pohanka, V., 1988, Optimum expression for computation of the gravity field of a homogeneous polyhedral body: *Geophys. Prosp.*, **36**, no. 07, 733–751.
- Pohanka, V., 1998, Optimum expression for computation of the gravity field of a polyhedral body with linearly increasing density: *Geophys. Prosp.*, **46**, no. 4, 391–404.
- Polom, U., 1997, Elimination of source-generated noise from correlated vibroseis data (the 'ghost-sweep' problem): *Geophys. Prosp.*, **45**, no. 4, 571–591.
- Posthumus, B. J., 1993, Deghosting using a twin streamer configuration: *Geophys. Prosp.*, **41**, no. 03, 267–286.
- Potters, J. H. H. M., Groenendaal, H. J. J., Oates, S. J., Hake, J. H., and Kalden, A. B., 1999, The 3D shear experiment over the Natih field in Oman. Reservoir geology, data acquisition and anisotropy analysis: *Geophys. Prosp.*, **47**, no. 4, 637–662.
- Pous, J., Marcuello, A., and Queralt, P., 1987, Resistivity inversion with a priori information: *Geophys. Prosp.*, **35**, no. 05, 590–603.
- Pratt, R. G., and Worthington, M. H., 1990, Inverse theory applied to multi-source cross-hole tomography. part 1: Acoustic wave-equation method: *Geophys. Prosp.*, **38**, no. 03, 287–310.

- Pratt, R. G., 1990, Inverse theory applied to multi-source cross-hole tomography. part 2: Elastic wave-equation method: *Geophys. Prosp.*, **38**, no. 03, 311–312.
- Qian, B., 1987, Analysis and improvement of the primary field waveform of the ground TEM method: *Geophys. Prosp.*, **35**, no. 02, 197–204.
- Qian, W., 1994, On small-scale near-surface distortion in controlled source tensor electromagnetics: *Geophys. Prosp.*, **42**, no. 05, 501–520.
- Qin, S., and Smythe, D. K., 1998, Filtering vibroseis data in the precorrelation domain: *Geophys. Prosp.*, **46**, no. 03, 303–322.
- Qin, S., 1994, An analytic signal approach to the interpretation of total field magnetic anomalies: *Geophys. Prosp.*, **42**, no. 06, 665–675.
- Qin, S., 1997, Reply to comment on 'An analytic signal approach to the interpretation of total field magnetic anomalies' by H. Linping, G. Zhining and Y. Changli: *Geophys. Prosp.*, **45**, no. 5, 883–883.
- Rader, D., Schott, W., Dresen, L., and Ruter, H., 1985, Calculation of dispersion curves and amplitude-depth distributions of Love channel waves in horizontally-layered media: *Geophys. Prosp.*, **33**, no. 06, 800–816.
- Rafison, B. J., 1988, Application of petrophysical measurements to the prediction of seismic responses of differing lithology or pore fluids: *Geophys. Prosp.*, **36**, no. 08, 847–856.
- Raghuwanshi, S. S., and Singh, B., 1986, Resistivity sounding on a horizontally stratified multi-layered earth: *Geophys. Prosp.*, **34**, no. 03, 409–423.
- Rai, S. S., and Bhattacharya, B. B., 1986, Quantitative interpretation of Pulse EM measurements over a weathered kimberlite diatreme: *Geophys. Prosp.*, **34**, no. 02, 220–231.
- Rai, S. S., and Sarma, G. S., 1986, In-loop Pulse EM response of a stratified earth: *Geophys. Prosp.*, **34**, no. 02, 232–239.
- Rai, S. S., and Verma, S. K., 1984, Nomograms to interpret Crone pulse-electromagnetic (pem) data using a dipping sheet model: *Geophys. Prosp.*, **32**, no. 04, 740–749.
- Raikes, S. A., and White, R. E., 1984, Measurements of earth attenuation from down-hole and surface seismic recordings: *Geophys. Prosp.*, **32**, no. 05, 892–919.
- Rajan, N. S., Mohan, N. L., and Narasimha, C., 1986, Comment on 'A note on the use of a nomogram for self-potential anomalies', by Bhattacharya, B. B., et al (gpr-29-01-0102-0107): *Geophys. Prosp.*, **34**, no. 08, 1292–1293.
- Ramm, A. G., 1986, Inversion of induction logging measurements: *Geophys. Prosp.*, **34**, no. 03, 293–301.

- Rao, C. R., Vijayakumar, V., Virupakshi, G., and Rao, M. B. S. V., 1985, A note on the interpretation of magnetic anomalies of infinite thin sheets by using relation figures: *Geophys. Prosp.*, **33**, no. 05, 746–752.
- Rao, D. B., Prakash, M. J., and Babu, N. R., 1990, 3D and 2-1/2D modelling of gravity anomalies with variable density contrast: *Geophys. Prosp.*, **38**, no. 04, 411–422.
- Rao, C. V., Pramanik, A. G., Kumar, G. V. R. K., and Raju, M. L., 1994, Gravity interpretation of sedimentary basins with hyperbolic density contrast: *Geophys. Prosp.*, **42**, no. 07, 825–839.
- Rathore, J. S., Fjaer, E., Holt, R. M., and Renlie, L., 1995, P-wave and S-wave anisotropy of a synthetic sandstone with controlled crack geometry: *Geophys. Prosp.*, **43**, no. 06, 711–728.
- Rauen, A., and Soffel, H. C., 1995, Determination of electrical resistivity, its anisotropy and heterogeneity on drill cores: A new method: *Geophys. Prosp.*, **43**, no. 03, 283–298.
- Reeves, C. V., and MacLeod, I. N., 1983, Modelling of potential field anomalies - Some applications for the microcomputer: *First Break*, **01**, no. 08, 18–24.
- Reilly, J. M., 1991, Integrated interpretation, 3-D map migration and VSP modelling project, northern U.K. Southern Gas Basin: *Geophys. Prosp.*, **39**, no. 02, 253–278.
- Reiter, E. C., Toksoz, M. N., and Purdy, G. M., 1993, A semblance-guided median filter: *Geophys. Prosp.*, **41**, no. 01, 15–42.
- Reshef, M., Landa, E., and Ravid, T., 1991, Elastic parameter estimation by coherency optimization: *Geophys. Prosp.*, **39**, no. 02, 241–252.
- Reust, D. K., 1993, Enhanced servovalve technology for seismic vibrators: *Geophys. Prosp.*, **41**, no. 01, 43–60.
- Rietsch, E., 1988, The maximum entropy approach to the inversion of one-dimensional seismograms: *Geophys. Prosp.*, **36**, no. 04, 365–382.
- Risk, G. E., Caldwell, T. G., and Bibby, H. M., 1999, Use of magnetotelluric signals from 50 Hz power lines for resistivity mapping of geothermal fields in New Zealand: *Geophys. Prosp.*, **47**, no. 4, 1091–1104.
- Ritz, M., Robain, H., Pervago, E., Albouy, Y., Camerlynck, C., Descloitres, M., and Mariko, A., 1999, Improvement to resistivity pseudosection modelling by removal of near-surface inhomogeneity effects: application to a soil system in south Cameroon: *Geophys. Prosp.*, **47**, no. 2, 85–101.
- Roberts, G. A., and Goult, N. R., 1990, Directional deconvolution of marine seismic reflection data: North Sea example: *Geophys. Prosp.*, **38**, no. 08, 881–888.
- Rocca, F., Cafforio, C., and Prati, C., 1989, Synthetic aperture radar: A new application for wave equation techniques: *Geophys. Prosp.*, **37**, no. 07, 809–830.



- Rocroi, J. P., and Koulikov, A. V., 1985, The use of vertical-line sources in electrical prospecting for hydrocarbon: *Geophys. Prosp.*, **33**, no. 01, 138–154.
- Roksandic, M. M., 1986, Extended marine arrays versus simulated extended arrays: *Geophys. Prosp.*, **34**, no. 08, 1154–1166.
- Roksandic, M. M., 1998, Comment on: 'Cross-well seismic tomographic delineation of mineralization in a hard-rock environment' by S. Cao and S. Greenhalgh: *Geophys. Prosp.*, **46**, no. 2, 197–198.
- Rosenbperger, A., Meyer, H., and Buttkus, B., 1999, A multichannel approach to long-period multiple prediction and attenuation: *Geophys. Prosp.*, **47**, no. 4, 903–922.
- Rouhiainen, P. J., 1987, Engineering geophysical studies of the Loviisa nuclear power plant site Finland: *Geophys. Prosp.*, **35**, no. 09, 1015–1029.
- Rowbotham, P. S., and Goulty, N. R., 1993, Imaging capability of cross-hole seismic reflection surveys: *Geophys. Prosp.*, **41**, no. 07, 927–941.
- Rowbotham, P. S., and Goulty, N. R., 1995, Quantitative evaluation of crosshole seismic reflection images using physical model data: *Geophys. Prosp.*, **43**, no. 04, 529–540.
- Rowbotham, P. S., 1997, Anisotropic migration of coincident VSP and cross-hole seismic reflection surveys: *Geophys. Prosp.*, **45**, no. 4, 683–699.
- Roy, A., and Aina, A. O., 1986, Some new magnetic transformations: *Geophys. Prosp.*, **34**, no. 08, 1219–1232.
- Roy, L., Agarwal, B., and Shaw, R., 1999, Estimation of shape factor and depth from gravity anomalies due to some simple sources: *Geophys. Prosp.*, **47**, no. 1, 41–58.
- Roy, A., 1983a, Reply to comments on 'A theorem for direct-current regimes and some of its consequences', by Roy, A. (gpr-26-02-0442-0463): *Geophys. Prosp.*, **31**, no. 01, 196.
- Roy, A., 1983b, Reply to comments on 'Bedrock depth from surface potential measurements', by Roy, A. (gpr-16-04-0447): *Geophys. Prosp.*, **31**, no. 06, 1003.
- Roy, A., 1984, Reply to comments on 'A theorem for direct-current regimes and some of its consequences', by Roy, A. (gpr-26-02-0442-0463): *Geophys. Prosp.*, **32**, no. 01, 142–143.
- Roy, I. G., 1999, An efficient non-linear least-squares 1D inversion scheme for resistivity and IP sounding data: *Geophys. Prosp.*, **47**, no. 4, 527–550.
- Ruhl, T., and Luschen, E., 1990, Inversion of first-break traveltimes of deep seismic reflection profiles: *Geophys. Prosp.*, **38**, no. 03, 247–266.
- Ruhl, T., Kopp, C., and Ristow, D., 1995, Fourier finite-difference migration for steeply dipping reflectors with complex overburden: *Geophys. Prosp.*, **43**, no. 07, 919–938.

- Ruotoistenmaki, T., 1993, The magnetic anomaly of 3D sources having arbitrary geometry and magnetization: *Geophys. Prosp.*, **41**, no. 04, 413–434.
- Russell, R. D., and Barker, A. S. J., 1991, Seismo-electric exploration: Expected signal amplitudes: *Geophys. Prosp.*, **39**, no. 01, 105–118.
- Ruter, H., and Schepers, R., 1985, Is it possible to increase the resolution in seismic exploration for coal by using high-frequency signals: *Geophys. Prosp.*, **33**, no. 08, 1160–1173.
- Ruter, H., Kohler, K., and Arnetzl, H., 1985, Possibilities of using vertical geophone arrays (cva) in reflection seismology (continuous-vertical-array): *Geophys. Prosp.*, **33**, no. 04, 503–518.
- Sadowiak, P., Voss, J., and Meissner, R., 1989, 3D modelling of diffractions observed on deep reflection line DEKORP 2-S: *Geophys. Prosp.*, **37**, no. 06, 623–638.
- Safar, M. H., and Haskey, P., 1983, On the quality control of datagun arrays: *First Break*, **01**, no. 11, 13–17.
- Safar, M. H., 1983a, Test results of a new type of efficient small airgun array: *Geophys. Prosp.*, **31**, no. 02, 343–350.
- Safar, M. H., 1983b, The use of airgun pressure pulses for calibrating a low-frequency standard hydrophone: *Geophys. Prosp.*, **31**, no. 02, 334–342.
- Safar, M. H., 1984a, Comment on 'Development of more efficient airgun arrays - Theory and experiment', by Johnston, R. C. (gpr-30-06-0752-0773): *Geophys. Prosp.*, **32**, no. 03, 497–501.
- Safar, M. H., 1984b, On the determination of the downgoing P-waves radiated by the vertical seismic vibrator: *Geophys. Prosp.*, **32**, no. 03, 392–405.
- Safar, M. H., 1984c, On the equalization of the transformerless seismic streamer response: *Geophys. Prosp.*, **32**, no. 02, 228–235.
- Safar, M. H., 1985a, Comment on 'Interaction between airguns', by Vaage, S., et al (gpr-32-04-0676-0689): *Geophys. Prosp.*, **33**, no. 07, 1063–1066.
- Safar, M. H., 1985b, On the calibration of the water-gun pressure signature: *Geophys. Prosp.*, **33**, no. 01, 97–109.
- Safar, M. H., 1985c, On the improvement in penetration achieved by using extended marine source arrays: *Geophys. Prosp.*, **33**, no. 03, 359–368.
- Safar, M. H., 1986, Comment on 'Interaction between airguns', by Vaage, S., et al (gpr-32-04-0676-0689): *Geophys. Prosp.*, **34**, no. 06, 940–941.
- Sahbi, H., Jongmans, D., and Charlier, R., 1997, Theoretical study of slope effects in resistivity surveys and applications: *Geophys. Prosp.*, **45**, no. 5, 795–808.

- Salerno, M., Orlandi, G., Martinelli, G., and Burrascano, P., 1986, Synthesis of acoustic well-logging waveforms on an irregular grid: *Geophys. Prosp.*, **34**, no. 08, 1145–1153.
- Sambridge, M. S., Tarantola, A., and Kennett, B. L. N., 1991, An alternative strategy for non-linear inversion of seismic waveforms: *Geophys. Prosp.*, **39**, no. 06, 723–736.
- Sams, M. S., and Williamson, P. R., 1994, Backus averaging, scattering and drift: *Geophys. Prosp.*, **42**, no. 06, 541–564.
- Sams, M. S., Worthington, M. H., King, M. S., and Khanshir, M. S., 1993, A comparison of laboratory and field measurements of P-wave anisotropy: *Geophys. Prosp.*, **41**, no. 02, 189–206.
- Samson, C., Barton, P. J., and Karwatowski, J., 1995, Imaging beneath an opaque basaltic layer using densely sampled wide-angle OBS data: *Geophys. Prosp.*, **43**, no. 04, 509–527.
- Sandberg, S. K., 1993, Examples of resolution improvement in geoelectrical soundings applied to groundwater investigations: *Geophys. Prosp.*, **41**, no. 02, 207–228.
- Santarato, G., and Spagnolini, U., 1995, Cancelling directional EM noise in magnetotellurics: *Geophys. Prosp.*, **43**, no. 05, 605–621.
- Sarwar, A. K. M., and Smith, D. L., 1987, Wave-scattering deconvolution by seismic inversion: *Geophys. Prosp.*, **35**, no. 05, 491–501.
- Sasaki, Y., Matsuo, K., and Yokoi, K., 1994, Resistivity inversion of cross-hole and borehole-to-surface EM data using axially symmetric models: *Geophys. Prosp.*, **42**, no. 07, 745–754.
- Sasaki, Y., 1989, Sensitivity analysis of magnetotelluric measurements in relation to static effects: *Geophys. Prosp.*, **37**, no. 04, 395–406.
- Sasaki, Y., 1992, Resolution of resistivity tomography inferred from numerical simulation: *Geophys. Prosp.*, **40**, no. 04, 453–464.
- Sayers, C. M., and Rickett, J. E., 1997, Azimuthal variation in AVO response for fractured gas sands: *Geophys. Prosp.*, **45**, no. 1, 165–182.
- Sayers, C. M., 1995, Anisotropic velocity analysis: *Geophys. Prosp.*, **43**, no. 04, 541–568.
- Schenkel, C. J., and Morrison, H. F., 1990, Effects of well casing on potential field measurements using downhole current sources: *Geophys. Prosp.*, **38**, no. 06, 663–686.
- Scherbaum, F., 1986, Comment on 'Stabilization of normal-incidence seismogram inversion removing the noise-induced bias', by Ferber, R. G. (gpr-33-02-0212-0223): *Geophys. Prosp.*, **34**, no. 02, 240.

- Scherbaum, F., 1987, Levinson inversion of earthquake geometry SH-transmission seismograms in the presence of noise: *Geophys. Prosp.*, **35**, no. 07, 787–802.
- Schimschal, U., 1991, Integrated exploration for low-temperature geothermal resources in the Honey Lake basin, California: *Geophys. Prosp.*, **39**, no. 02, 279–291.
- Schleicher, J., Tygel, M., and Hubral, P., 1993, Parabolic and hyperbolic paraxial two-point traveltimes in 3D media: *Geophys. Prosp.*, **41**, no. 04, 495–514.
- Schoenberg, M., and Costa, J., 1991, The insensitivity of reflected SH waves to anisotropy in an underlying layered medium: *Geophys. Prosp.*, **39**, no. 08, 985–1004.
- Schoenberg, M., and Douma, J., 1988, Elastic-wave propagation in media with parallel fractures and aligned cracks: *Geophys. Prosp.*, **36**, no. 06, 571–590.
- Schoenberg, M., 1983, Reflection of elastic waves from periodically stratified media with interfacial slip: *Geophys. Prosp.*, **31**, no. 02, 265–292.
- Schoenberg, M., 1991, Layered permeable systems: *Geophys. Prosp.*, **39**, no. 02, 219–240.
- Schoenberg, M., 1994, Transversely isotropic media equivalent to thin isotropic layers: *Geophys. Prosp.*, **42**, no. 07, 885–915.
- Schultz, C. A., and Toksoz, M. N., 1995, Reflections from a randomly grooved interface: Ultrasonic modelling and finite-difference calculation: *Geophys. Prosp.*, **43**, no. 05, 581–596.
- Schulz, R., and Tezkan, B., 1988, Interpretation of resistivity measurements over two-dimensional structures: *Geophys. Prosp.*, **36**, no. 08, 962–975.
- Schulz, R., 1985, Interpretation and depth of investigation of gradient measurements in direct-current geoelectrics: *Geophys. Prosp.*, **33**, no. 08, 1240–1253.
- Schwarz, E. J., and Wright, N., 1988, The detection of buried placer deposits by ground magnetic survey: *Geophys. Prosp.*, **36**, no. 08, 919–932.
- Sengpiel, K. P., 1988, Approximate inversion of airborne electromagnetic data from a multilayered ground: *Geophys. Prosp.*, **36**, no. 04, 446–459.
- Sharma, S., and Kaikkonen, P., 1999, Appraisal of equivalence and suppression problems in 1D EM and DC measurements using global optimization and joint inversion: *Geophys. Prosp.*, **47**, no. 2, 219–249.
- Shatilo, A. P., 1992, Seismic phase unwrapping: Methods, results, problems: *Geophys. Prosp.*, **40**, no. 02, 211–226.
- Shaw, R., and Agarwal, B., 1997, A generalized concept of resultant gradient to interpret potential field maps: *Geophys. Prosp.*, **45**, no. 6, 1003–1011.

- Shettigara, V. K., and Adams, W. M., 1989, Detection of lateral variations in geological structures using electrical resistivity gradient profiling: *Geophys. Prosp.*, **37**, no. 03, 293–310.
- Shih, R.-C., and Levander, A. R., 1994, Layer-stripping reverse-time migration: *Geophys. Prosp.*, **42**, no. 03, 211–227.
- Shiva, M., and Mendel, J. M., 1983, Non-normal incidence inversion - Existence of solution: *Geophys. Prosp.*, **31**, no. 06, 888–914.
- Shtivelman, V., Landa, E., and Gelchinsky, B., 1986, Phase and group-time sections and possibilities for their use in seismic interpretation of complex media: *Geophys. Prosp.*, **34**, no. 04, 508–536.
- Shtivelman, V., 1984, A hybrid method for wave-field computation: *Geophys. Prosp.*, **32**, no. 02, 236–257.
- Singh, R. P., and Rankin, D., 1985, The application of very-high-frequency (vhf) measurements to earthquake prediction: *Geophys. Prosp.*, **33**, no. 08, 1232–1239.
- Singh, R. P., and Rankin, D., 1987, Reply to comments on 'The application of very-high-frequency (vhf) measurements to earthquake prediction', by Singh, R. P., et al (gpr-33-08-1232-1239): *Geophys. Prosp.*, **35**, no. 05, 620–621.
- Singh, S., 1984, High-frequency shallow seismic reflection mapping in tin mining: *Geophys. Prosp.*, **32**, no. 06, 1033–1044.
- Singh, R. P., 1985, Effect of inclined anisotropic substratum on magnetotelluric response: *Geophys. Prosp.*, **33**, no. 03, 369–376.
- Singh, R. P., 1986a, Reply to comments on 'Effect of inclined anisotropic substratum on magnetotelluric response', by Singh, R. P. (gpr-33-03-0369-0376): *Geophys. Prosp.*, **34**, no. 06, 925–926.
- Singh, S., 1986b, Reflection-window mapping of shallow bedrock: *Geophys. Prosp.*, **34**, no. 04, 492–507.
- Sinha, A. K., 1983, Airborne resistivity mapping using a multifrequency electromagnetic system: *Geophys. Prosp.*, **31**, no. 04, 627–648.
- Sinha, A. K., 1989, Magnetic wavelit measurements for geological fracture mapping: *Geophys. Prosp.*, **37**, no. 04, 427–446.
- Skianis, G., Papadopoulos, T., Vaiopoulos, D., and Nikolaou, S., 1995, A new method of quantitative interpretation of SP anomalies produced by a polarized inclined sheet: *Geophys. Prosp.*, **43**, no. 05, 677–691.
- Slob, E., and Ziolkowski, A., 1993, Aspects of 1D seismic modelling using the Goupilaud principle: *Geophys. Prosp.*, **41**, no. 02, 135–148.
- Smit, A. W., 1983, Presidential address: *Geophys. Prosp.*, **31**, no. 05, 1–708.

- Smith, G. C., and Gidlow, P. M., 1987, Weighted stacking for rock property estimation and detection of gas: *Geophys. Prosp.*, **35**, no. 09, 993–1014.
- Smith, R. S., and Whitaker, S. A., 1993, Line current filtering of fixed-loop transient electromagnetic data: *Geophys. Prosp.*, **41**, no. 08, 969–982.
- Smith, R. S., Walker, P. W., Polzer, B. D., and West, G. F., 1988, The time-domain electromagnetic response of polarizable bodies - An approximate convolution algorithm: *Geophys. Prosp.*, **36**, no. 07, 772–785.
- Smith, R. S., Thurston, J. B., Dai, T.-F., and MacLeod, I. N., 1998, iSPI – the improved source parameter imaging method: *Geophys. Prosp.*, **46**, no. 2, 141–151.
- Smith, T., Hoversten, M., Gasperikova, E., and Morrison, E., 1999, Sharp boundary inversion of 2D magnetotelluric data: *Geophys. Prosp.*, **47**, no. 4, 469–486.
- Smith, D. T., 1986, Comment on 'Acoustic modeling of the seafloor', by Berge, A. M., et al (gpr-34-01-0011-0029): *Geophys. Prosp.*, **34**, no. 01, 141–142.
- Sollid, A., and Arntsen, B., 1994, Cost-effective 3D one-pass depth migration: *Geophys. Prosp.*, **42**, no. 07, 755–776.
- Sollogub, V. B., and Chekunov, A. V., 1983, The lithosphere of the Ukraine: *First Break*, **01**, no. 06, 9–17.
- Song, L., and Vozoff, K., 1985, The complex resistivity spectra of models consisting of two polarizable media of different intrinsic properties: *Geophys. Prosp.*, **33**, no. 07, 1029–1062.
- Sorin, V., Keydar, S., and Landa, E., 1993, 3D kinematic inversion from a set of line profiles: *Geophys. Prosp.*, **41**, no. 05, 535–550.
- Spagnolini, U., 1991, Adaptive picking of refracted first arrivals: *Geophys. Prosp.*, **39**, no. 03, 293–312.
- Spagnolini, U., 1994, Compound events decomposition and the interaction between AVO and velocity information: *Geophys. Prosp.*, **42**, no. 03, 241–259.
- Spitzer, K., and Kumpel, H.-J., 1997, 3D FD resistivity modelling and sensitivity analyses applied to a highly resistive phonolitic body: *Geophys. Prosp.*, **45**, no. 6, 963–982.
- Sretenovic, B., 1998, Comment on: 'Detecting lateral resistivity inhomogeneities with the Schlumberger array' by M. Morris, J.S. Ronning and O.B. Lile: *Geophys. Prosp.*, **46**, no. 03, 347–349.
- Staff, 1983a, Profile - CGG: *First Break*, **01**, no. 11, 24–25.
- Staff, 1983b, Profile - GECO: *First Break*, **01**, no. 07, 34–35.
- Staff, 1983c, Profile - Horizon Exploration: *First Break*, **01**, no. 08, 29–30.

- Staff, 1983d, Profile - Prakla Seismos: First Break, **01**, no. 10, 20–22.
- Staff, 1983e, Profile - Wimpol Ltd: First Break, **01**, no. 06, 32.
- Staff, 1983f, Regional profile - China: First Break, **01**, no. 09, 23.
- Staples, R., Hobbs, R., and White, R., 1999, A comparison between airguns and explosives as wide-angle seismic sources: *Geophys. Prosp.*, **47**, no. 3, 313–339.
- Stavrev, P. Y., 1997, Euler deconvolution using differential similarity transformations of gravity or magnetic anomalies: *Geophys. Prosp.*, **45**, no. 2, 207–246.
- Steenland, N. C., 1985, Comment on 'Interpretation of aeromagnetic data from the Norwegian-sector of the North Sea', by Hospers, J., et al (gpr-32-05-0929-0942): *Geophys. Prosp.*, **33**, no. 06, 903.
- Stefanovic, D. B., 1984, Presidential address - Meaning of interpretation: *Geophys. Prosp.*, **32**, no. 06, 995–997.
- Stephan, A., Schniggenfittig, H., and Strack, K.-M., 1991, Long-offset transient EM sounding north of the Rhine-Ruhr coal district, Germany: *Geophys. Prosp.*, **39**, no. 04, 505–526.
- Stewart, R. R., 1984, Vertical-seismic-profile (vsp) interval velocities from travelttime inversion: *Geophys. Prosp.*, **32**, no. 04, 608–628.
- Stolt, R. H., 1984, Comment on 'A simple exact method of three-dimensional migration - Theory', by Jakubowicz, H., et al (gpr-31-01-0034-0056): *Geophys. Prosp.*, **32**, no. 02, 347–349.
- Stoyer, C. H., 1990, Efficient computation of transient sounding curves for wire segments of finite length using an equivalent dipole approximation: *Geophys. Prosp.*, **38**, no. 01, 87–100.
- Straub, A., 1984, Comments on 'A numerical method of calculating the kernel function from Schlumberger apparent resistivity data', by Santini, R., et al (gpr-29-01-0108-0127): *Geophys. Prosp.*, **32**, no. 03, 502–504.
- Stumpel, H., Kahler, S., Meissner, R., and Milkereit, B., 1984, The use of seismic shear-waves and compressional-waves for lithological problems of shallow sediments: *Geophys. Prosp.*, **32**, no. 04, 662–675.
- Sun, J., 1999, On the aperture effect in 3D Kirchoff-type migration: *Geophys. Prosp.*, **47**, no. 4, 1045–1076.
- Sutton, G. R., and Moore, B. J., 1987, Inversion of an unmigrated stacked section to determine an interval velocity model: *Geophys. Prosp.*, **35**, no. 08, 895–906.
- Symes, W. W., and Kern, M., 1994, Inversion of reflection seismograms by differential semblance analysis: Algorithm structure and synthetic examples: *Geophys. Prosp.*, **42**, no. 06, 565–614.

- Szaraniec, E., 1982a, Comments on 'A numerical method of calculating the kernel function from Schlumberger apparent resistivity data', by Santini, R., et al (gpr-29-01-0108-0127): *Geophys. Prosp.*, **30**, no. 06, 947–948.
- Szaraniec, E., 1982b, Uncertain resistivity sounding and equivalent models: *Geophys. Prosp.*, **30**, no. 01, 127–137.
- Szaraniec, E., 1982c, Use of the seismic dynamic deconvolution algorithm in direct resistivity interpretation: *Geophys. Prosp.*, **30**, no. 06, 850–854.
- Szaraniec, E., 1983, Comment on 'Further thoughts on Popperian geophysics - The example of deconvolution', by Ziolkowski, A. (gpr-30-02-0155-0165): *Geophys. Prosp.*, **31**, no. 03, 538–539.
- Szaraniec, E., 1984a, Odd-depth structures for deterministic deconvolution and seismogram testing: *Geophys. Prosp.*, **32**, no. 05, 812–818.
- Szaraniec, E., 1984b, Reply to comments on 'A numerical method of calculating the kernel function from Schlumberger apparent resistivity data', by Santini, R., et al (gpr-29-01-0108-0127): *Geophys. Prosp.*, **32**, no. 03, 505–506.
- Szaraniec, E., 1985a, Comments on 'Further thoughts on Popperian geophysics - The example of deconvolution', by Ziolkowski, A. (gpr-30-02-0155-0165): *Geophys. Prosp.*, **33**, no. 06, 895–899.
- Szaraniec, E., 1985b, On direct recovery of the impulse response: *Geophys. Prosp.*, **33**, no. 04, 498–502.
- Szaraniec, E., 1994, Comment on 'Aspects of 1D seismic modelling using the Goupilaud principle', by Evert Slob and Anton Ziolkowski (gpr-41-2-135-148) and reply by authors: *Geophys. Prosp.*, **42**, no. 01, 81–87.
- Szarka, L., and Menvielle, M., 1999, Possibility for an enhanced 3D imaging sensitivity in electromagnetic methods: keyhole imaging: *Geophys. Prosp.*, **47**, no. 1, 59–71.
- Szarka, L., 1983, Exploration of high-resistivity basement using electrical and magnetic fields of quasi-static point sources: *Geophys. Prosp.*, **31**, no. 05, 829–839.
- Szarka, L., 1987, Geophysical mapping by stationary electric and magnetic field components - A combination of potential gradient mapping and magnetometric resistivity (mmr) methods: *Geophys. Prosp.*, **35**, no. 04, 424–444.
- Szarka, L., 1992, Comment on 'Aspects of charge-accumulation in DC resistivity experiments' (gpr-39-6-803-826) by Y. Li and D. W. Oldenburg: *Geophys. Prosp.*, **40**, no. 07, 823–828.
- Szarka, L., 1994, Comment on 'Definitions of apparent resistivity for the presentation of magnetotelluric sounding data', by A. T. Basokur (gpr-42-2-141-149) with reply by author: *Geophys. Prosp.*, **42**, no. 07, 987–992.



- Szarka, L., 1997, A compact representation of magnetotelluric responses for two-layer models: *Geophys. Prosp.*, **45**, no. 5, 763–774.
- Szulyouszky, I., 1987, Detection of thin beds with the pseudo acoustic impedance section: *Geophys. Prosp.*, **35**, no. 03, 221–235.
- Tabbagh, A., Benderitter, Y., Andrieux, P., Decriaud, J. P., and Guerin, R., 1991, VLF resistivity mapping and verticalization of the electric field: *Geophys. Prosp.*, **39**, no. 08, 1083–1098.
- Tabbagh, A., Hesse, A., and Grard, R., 1993, Determination of electrical properties of the ground at shallow depth with an electrostatic quadropole: Field trials on archeological sites: *Geophys. Prosp.*, **41**, no. 05, 579–598.
- Tal-Ezer, H., Kosloff, D., and Koren, Z., 1987, An accurate scheme for seismic forward modelling: *Geophys. Prosp.*, **35**, no. 05, 479–490.
- Tal-Virsky, B. B., and Tabakov, A. A., 1983, High-resolution prediction of acoustic impedances below bottom-of-hole: *Geophys. Prosp.*, **31**, no. 02, 225–236.
- Taner, M. T., O’Doherty, R. F., and Koehler, F., 1995, Long period multiple suppression by predictive deconvolution in the x-t domain: *Geophys. Prosp.*, **43**, no. 04, 433–468.
- Tang, X. M., and Cheng, C. H., 1993, Borehole Stoneley wave propagation across permeable structures: *Geophys. Prosp.*, **41**, no. 02, 165–188.
- Tang, R., Carswell, A., and Moon, W., 1984, Velocity analysis in the P-x-plane from a slant stack wavefield: *Geophys. Prosp.*, **32**, no. 06, 1016–1032.
- Tao, G., and King, M. S., 1993, Porosity and pore structure from acoustic well logging data: *Geophys. Prosp.*, **41**, no. 04, 435–452.
- Tao, G., King, M. S., and Nabi-Bidhendi, M., 1995, Ultrasonic wave propagation in dry and brine-saturated sandstones as a function of effective stress: Laboratory measurements and modelling: *Geophys. Prosp.*, **43**, no. 03, 299–327.
- Tarantola, A., Jobert, G., Trezeguet, D., and Denelle, E., 1988, The non-linear inversion of seismic waveforms can be performed either by time extrapolation or by depth extrapolation: *Geophys. Prosp.*, **36**, no. 04, 383–416.
- Tarantola, A., 1984, Linearized inversion of seismic reflection data: *Geophys. Prosp.*, **32**, no. 06, 998–1015.
- Tariel, P., and Michon, D., 1984, On vertical-seismic-profile processing: *Geophys. Prosp.*, **32**, no. 05, 775–789.
- Tarif, P., and Bourbie, T., 1987, Experimental comparison between spectral ratio and rise time techniques for attenuation measurement: *Geophys. Prosp.*, **35**, no. 06, 668–680.

- Taylor, P. W., and Jones, B. L., 1983, Tertiary studies of the Beheira area north West Delta region Egypt: *First Break*, **01**, no. 01, 22–37.
- Tejero-Andrade, A., Gonzalez-Villalvaso, and Leon-Sanchez, R., 1986, Comment on 'Zero-phase forward filters for resistivity sounding', by Mansinha, L. (gpr-32-06-1155-1166): *Geophys. Prosp.*, **34**, no. 08, 1285–1288.
- Tessmer, G., and Behle, A., 1988, Common reflection point data-stacking technique for converted waves: *Geophys. Prosp.*, **36**, no. 07, 671–688.
- Tessmer, G., and Behle, A., 1991, Conversion points and traveltimes of converted waves in parallel dipping layers: *Geophys. Prosp.*, **39**, no. 03, 387–406.
- Tessmer, G., Krajewski, P., Fertig, J., and Behle, A., 1990, Processing of PS-reflection data applying a common conversion-point stacking technique: *Geophys. Prosp.*, **38**, no. 03, 267–286.
- Tewari, H. C., Dixit, M. M., and Murty, P. R. K., 1995, Use of traveltimes skips in refraction analysis to delineate velocity inversion: *Geophys. Prosp.*, **43**, no. 06, 793–804.
- Thanassoulas, C., Tselentis, G. A., and Kolios, N., 1987, Geothermal prospecting by geoelectric soundings in NE Greece: *Geophys. Prosp.*, **35**, no. 01, 83–97.
- Theimer, B. D., Nobes, D. C., and Warner, B. G., 1994, A study of the geoelectrical properties of peatlands and their influence on ground-penetrating radar surveying: *Geophys. Prosp.*, **42**, no. 03, 179–209.
- Thiel, D. V., 1986, Comments on 'Effect of inclined anisotropic substratum on magnetotelluric response', by Singh, R. P. (gpr-33-03-0369-0376): *Geophys. Prosp.*, **34**, no. 06, 923–924.
- Thomsen, L., 1995, Elastic anisotropy due to aligned cracks on porous rock: *Geophys. Prosp.*, **43**, no. 06, 805–829.
- Thore, P., and de Bazelaire, E., 1991, Analysis of the common midpoint gather by decomposition into elementary wavefronts: *Geophys. Prosp.*, **39**, no. 04, 453–472.
- Thornton, B. S., and Sutton, G. R., 1986, A new approach to the inversion of seismic data: *Geophys. Prosp.*, **34**, no. 02, 208–219.
- Thybo, H., 1986, An algorithm for fast time-domain computation of one-dimensional synthetic vertical seismic profiles: *Geophys. Prosp.*, **34**, no. 06, 833–844.
- Tillard, S., 1994, Radar experiments in isotropic and anisotropic geological formations (granite and schists): *Geophys. Prosp.*, **42**, no. 06, 615–636.
- Tonn, R., 1991, The determination of the seismic quality factor Q from VSP data: A comparison of different computational methods: *Geophys. Prosp.*, **39**, no. 01, 1–28.

- Trappe, H., Wever, T., and Meissner, R., 1988, Crustal reflectivity pattern and its relation to geological provinces: *Geophys. Prosp.*, **36**, no. 03, 265–281.
- Trappe, H., 1988, Seismic attenuation in the vicinity of the geothermal anomaly at Urach obtained from near-vertical reflection profiles: *Geophys. Prosp.*, **36**, no. 02, 149–166.
- Tree, E. L., Lugg, R. D., and Brummitt, J. G., 1986, Why waterguns: *Geophys. Prosp.*, **34**, no. 03, 302–329.
- Tripp, A. C., Cherkaeva, E., and Hulen, J., 1998, Bounds on the complex conductivity of geophysical mixtures: *Geophys. Prosp.*, **46**, no. 6, 589–601.
- Trushkin, D. V., Shushakov, O. A., and Legchenko, A. V., 1994, The potential of a noise-reducing antenna for surface NMR groundwater surveys in the Earth's magnetic field: *Geophys. Prosp.*, **42**, no. 07, 855–862.
- Trushkin, D. V., Shushakov, O. A., and Legchenko, A. V., 1995, Surface NMR applied to an electroconductive medium: *Geophys. Prosp.*, **43**, no. 05, 623–633.
- Tsingas, C., Vafidis, A., and Kanasevich, E. R., 1990, Elastic wave propagation in transversely isotropic media using finite differences: *Geophys. Prosp.*, **38**, no. 08, 933–950.
- Tsutsui, T., 1992, Pseudoreflection profiling method: An efficient complement to CDP method: *Geophys. Prosp.*, **40**, no. 01, 15–30.
- Tsvankin, I., 1997, Moveout analysis for transversely isotropic media with a tilted symmetry axis: *Geophys. Prosp.*, **45**, no. 3, 479–512.
- Ulrych, T., Bassrei, A., and Lane, M., 1990, Minimum relative entropy inversion of 1D data with applications: *Geophys. Prosp.*, **38**, no. 05, 465–488.
- Urbancic, T. I., and Bailey, R. C., 1988, Statistical techniques applied to borehole geophysical data in gold exploration: *Geophys. Prosp.*, **36**, no. 07, 752–771.
- Ursin, B., and Arntsen, B., 1985, Computation of zero-offset vertical-seismic-profiles including geometrical spreading and absorption: *Geophys. Prosp.*, **33**, no. 01, 72–96.
- Ursin, B., and Dahl, T., 1992, Seismic reflection amplitudes: *Geophys. Prosp.*, **40**, no. 05, 483–512.
- Ursin, B., and Holberg, O., 1985, Maximum-likelihood of seismic impulse responses: *Geophys. Prosp.*, **33**, no. 02, 233–251.
- Ursin, B., and Zheng, Y., 1985, Identification of seismic reflections using singular-value decomposition: *Geophys. Prosp.*, **33**, no. 06, 773–799.
- Ursin, B., 1982a, A new derivation of the wavefront curvature transformation at an interface between two inhomogeneous media: *Geophys. Prosp.*, **30**, no. 05, 569–579.

- Ursin, B., 1982b, Time-to-depth migration using wavefront curvature: *Geophys. Prosp.*, **30**, no. 03, 261–280.
- Ursin, B., 1986, Complete inversion of zero-offset seismic data: *Geophys. Prosp.*, **34**, no. 08, 1213–1218.
- Ursin, B., 1988, The spectral function of a vertically inhomogeneous medium: *Geophys. Prosp.*, **36**, no. 01, 1–5.
- Ursin, B., 1989, Editorial: *Geophys. Prosp.*, **37**, no. 01, 1–2.
- Vaage, S., and Ursin, B., 1987, Computation of signatures of linear airgun arrays: *Geophys. Prosp.*, **35**, no. 03, 281–287.
- Vaage, S., Haugland, K., and Utheim, T., 1983, Signatures from single airguns: *Geophys. Prosp.*, **31**, no. 01, 87–97.
- Vaage, S., Ursin, B., and Haugland, K., 1984, Interaction between airguns: *Geophys. Prosp.*, **32**, no. 04, 676–689.
- Vaage, S., Ursin, B., and Haugland, K., 1985, Reply to comments on 'Interaction between airguns', by Vaage, S., et al (gpr-32-04-0676-0689): *Geophys. Prosp.*, **33**, no. 07, 1067.
- Vaage, S., Ursin, B., and Haugland, K., 1986, Reply to comments on 'Interaction between airguns', by Vaage, S., et al (gpr-32-04-0676-0689): *Geophys. Prosp.*, **34**, no. 06, 942–945.
- Vakhromeyev, G. S., and Baryshev, A. S., 1984, The classification of physico-geological models of mineral deposits: *Geophys. Prosp.*, **32**, no. 01, 63–78.
- Vakhromeyev, G. S., and Davydenko, A. Y., 1987, Calculation of potential fields for stochastic models of heterogenous geological objects: *Geophys. Prosp.*, **35**, no. 03, 288–311.
- Valla, P., 1992, Fixed loop source EM modelling results using 2D finite elements: *Geophys. Prosp.*, **40**, no. 08, 885–907.
- van der Veen, M., Brouwer, J., and Helbig, K., 1999, Weighted sum method for calculating ground force: an evaluation by using a portable vibrator system: *Geophys. Prosp.*, **47**, no. 3, 251–267.
- van der Wal, L. F., and Berkhout, A. J., 1984, Influence of amplitude and phase errors on migration results: *Geophys. Prosp.*, **32**, no. 03, 425–453.
- van Gelderen, M., Haagmans, R., and Bilker, M., 1999, Gravity changes and natural gas extraction in Groningen: *Geophys. Prosp.*, **47**, no. 4, 979–994.
- van Rijssen, E. P. F., and Herman, G. C., 1991, Resolution analysis of band-limited and offset-limited seismic data for plane-layered subsurface models: *Geophys. Prosp.*, **39**, no. 01, 61–76.

- Vandenberghe, J., 1982, Geoelectric investigations of a fault system in Quaternary deposits: *Geophys. Prosp.*, **30**, no. 06, 879–897.
- Vanhala, H., and Soininen, H., 1995, Laboratory technique for measurement of spectral induced polarization response of soil samples: *Geophys. Prosp.*, **43**, no. 05, 655–676.
- Vanhala, H., 1997, Mapping oil-contaminated sand and till with the spectral induced polarization (sip) method: *Geophys. Prosp.*, **45**, no. 2, 303–326.
- Varela, C. L., Stoffa, P. L., and Sen, M. K., 1998, Background velocity estimation using non-linear optimization for reflection tomography and migration misfit: *Geophys. Prosp.*, **46**, no. 1, 51–78.
- Verma, R. K., and Bandyopadhyay, T. K., 1983, Use of the resistivity method in geological mapping - Case-histories from Raniganj coalfield India: *Geophys. Prosp.*, **31**, no. 03, 490–507.
- Verma, R. K., and Mallick, K., 1984, Detectability of an intermediate layer by perpendicular and vertical coplanar electromagnetic sounding systems employing different primary excitations: *Geophys. Prosp.*, **32**, no. 01, 88–104.
- Verma, R. K., Bandyopadhyay, T. K., and Bhui, N. C., 1982, Use of electrical resistivity methods for the study of coal seams in parts of the Raniganj coalfield India: *Geophys. Prosp.*, **30**, no. 01, 115–126.
- VerWest, B. J., 1989, Seismic migration in elliptically anisotropic media: *Geophys. Prosp.*, **37**, no. 02, 149–166.
- Vestergaard, P. D., and Mosegaard, K., 1991, Inversion of post-stack seismic data using simulated annealing: *Geophys. Prosp.*, **39**, no. 05, 613–624.
- Vetter, W. J., 1987, Vertical heterogeneity and moveout in the one-dimensional medium: *Geophys. Prosp.*, **35**, no. 06, 700–717.
- Villante, U., Vellante, M., Lauretis, M. D., Cerulli-Irelli, P., Lanzerotti, L., Medford, L., and MacLennan, C., 1998, Surface and underground measurements of geomagnetic variations in the micropulsations band: *Geophys. Prosp.*, **46**, no. 2, 121–140.
- Vogelsang, D., 1987, Examples of electromagnetic prospecting for karst and fault systems: *Geophys. Prosp.*, **35**, no. 05, 604–617.
- Wait, J. R., and Debroux, P., 1984, Induced-polarization in electromagnetic inductive schemes: *Geophys. Prosp.*, **32**, no. 06, 1147–1154.
- Wait, J. R., and Williams, J. T., 1985, Electromagnetic and induced-polarization response of a steel well casing for a four-electrode surface array part I - Theory: *Geophys. Prosp.*, **33**, no. 05, 723–735.
- Walden, A. T., and Hosken, J. W. J., 1985, An investigation of the spectral properties of primary reflection coefficients: *Geophys. Prosp.*, **33**, no. 03, 400–435.

- Walden, A. T., and Hosken, J. W. J., 1986, The nature of the non-gaussianity of primary reflection coefficients and its significance for deconvolution: *Geophys. Prosp.*, **34**, no. 07, 1038–1066.
- Walden, A. T., and Hosken, J. W. J., 1988, Tutorial - Choosing the averaging interval when calculating primary reflection coefficients from well-logs: *Geophys. Prosp.*, **36**, no. 08, 799–824.
- Walden, A. T., and Nunn, K. R., 1988, Correcting for coloured primary reflectivity in deconvolution: *Geophys. Prosp.*, **36**, no. 03, 282–297.
- Walden, A. T., and White, R. E., 1984, On errors of fit and accuracy in matching synthetic-seismograms and seismic traces: *Geophys. Prosp.*, **32**, no. 05, 871–891.
- Walden, A. T., and White, R. E., 1992, Some fads and fallacies in seismic data analysis: *Geophys. Prosp.*, **40**, no. 03, 289–306.
- Walden, A. T., 1990, Improved low-frequency decay estimation using the multitaper spectral analysis method: *Geophys. Prosp.*, **38**, no. 01, 61–86.
- Walden, A. T., 1991a, Making AVO sections more robust: *Geophys. Prosp.*, **39**, no. 07, 915–942.
- Walden, A. T., 1991b, Wavelet estimation using the multitaper method: *Geophys. Prosp.*, **39**, no. 05, 625–642.
- Walden, A. T., 1993, Simulation of realistic synthetic reflection sequences: *Geophys. Prosp.*, **41**, no. 03, 313–322.
- Walker, D., 1995, Harmonic resonance structure and chaotic dynamics in the Earth-vibrator system: *Geophys. Prosp.*, **43**, no. 04, 487–508.
- Waltham, D. A., and Boyce, J. F., 1986, Signal-to-noise ratio enhancement in seismic multifold data using Bayesian statistics: *Geophys. Prosp.*, **34**, no. 01, 56–72.
- Waltham, D., 1992, Plane-wave constraints in 2D filter design: *Geophys. Prosp.*, **40**, no. 03, 343–358.
- Wang, X., and Waltham, D., 1995, The stable-beam seismic modelling method: *Geophys. Prosp.*, **43**, no. 07, 939–961.
- Wapenaar, C. P. A., and Berkhout, A. J., 1985, Wavefield extrapolation techniques for inhomogeneous media which include critical-angle events part I - Methods using the one-way wave-equations: *Geophys. Prosp.*, **33**, no. 08, 1138–1159.
- Wapenaar, C. P. A., and Berkhout, A. J., 1986a, Wave-field extrapolation techniques for inhomogeneous media which include critical angle events part II - Methods using the two-way wave equation: *Geophys. Prosp.*, **34**, no. 02, 147–179.
- Wapenaar, C. P. A., and Berkhout, A. J., 1986b, Wave-field extrapolation techniques for inhomogeneous media which include critical angle events part III - Applications in modeling migration and inversion: *Geophys. Prosp.*, **34**, no. 02, 180–207.

- Wapenaar, C. P. A., and Haime, G. C., 1990, Elastic extrapolation of primary seismic P- and S-waves: *Geophys. Prosp.*, **38**, no. 01, 23–60.
- Wapenaar, C. P. A., Herrmann, P., Verschuur, D. J., and Berkhout, A. J., 1990, Decomposition of multicomponent seismic data into primary P- and S-wave responses: *Geophys. Prosp.*, **38**, no. 06, 633–662.
- Wapenaar, C. P. A., Cox, H. L. H., and Berkhout, A. J., 1992, Elastic redatuming of multicomponent seismic data: *Geophys. Prosp.*, **40**, no. 04, 465–482.
- Weaver, J. T., 1985, Comment on 'Generalization and optimization of the finite-difference method for magnetotelluric (mt) modeling', by Doucet, D., et al (gpr-32-02-0292-0316): *Geophys. Prosp.*, **33**, no. 02, 303–307.
- Wen, J., and McMechan, G. A., 1987, Three-dimensional kinematic migration in variable velocity media: *Geophys. Prosp.*, **35**, no. 03, 250–266.
- Wensink, W. A., Greeuw, G., Hofman, J., and van Deen, J. K., 1990, Measured underwater near-field E-patterns of a pulsed, horizontal dipole antenna in air: Comparison with the theory of the continuous wave, infinitesimal electric dipole: *Geophys. Prosp.*, **38**, no. 07, 805–830.
- Wensink, W. A., Hofman, J., and van Deen, J. K., 1991, Measured reflection strengths of underwater pipes irradiated by a pulsed horizontal dipole in air: Comparison with continuous plane-wave scattering theory: *Geophys. Prosp.*, **39**, no. 04, 543–566.
- Wensink, W. A., 1993, Dielectric properties of wet soils in the frequency range 1-3000 MHz: *Geophys. Prosp.*, **41**, no. 06, 671–696.
- Western, P. G., and Ball, G. J., 1992, 3D prestack depth migration in the Gulf of Suez: A case history: *Geophys. Prosp.*, **40**, no. 04, 379–402.
- Whitaker, A., and Chadwick, R. A., 1983, Deep seismic reflection profiling onshore United Kingdom: *First Break*, **01**, no. 09, 9–13.
- White, P. A., and Scott, D. M., 1988, Examination of sounding curve extrapolation used by the offset Wenner system: *Geophys. Prosp.*, **36**, no. 02, 194–200.
- White, J. E., and Welsh, E., 1988, Borehole coupling of seismic waves in a permeable solid: *Geophys. Prosp.*, **36**, no. 04, 417–429.
- White, J. E., Martineau-Nicoletis, and Monash, C., 1983, Measured anisotropy in Pierre Shale: *Geophys. Prosp.*, **31**, no. 05, 709–725.
- White, R., Simm, R., and Xu, S., 1998, Well tie, fluid substitution and AVO modelling: a North Sea example: *Geophys. Prosp.*, **46**, no. 03, 323–346.
- Whiteley, R. J., 1992, Comment on 'The resolution of narrow low-velocity zones with the generalized reciprocal method' by Derecke Palmer (gpr-39-8-1031-1060), with reply by author: *Geophys. Prosp.*, **40**, no. 08, 925–935.

- Wiest, B., and Edelmann, H. A. K., 1984, Static corrections for shear-wave sections: *Geophys. Prosp.*, **32**, no. 06, 1091–1102.
- Wild, A., and Singh, S., 1998, Some unintended features of elastic finite-difference models: *Geophys. Prosp.*, **46**, no. 1, 79–101.
- Williams, J. T., and Wait, J. R., 1985, Electromagnetic and induced-polarization response of a steel well casing for a four-electrode surface array part II - Numerical results: *Geophys. Prosp.*, **33**, no. 05, 736–745.
- Williamson, I., 1983, Editorial: First Break, **01**, no. 01, 2–8.
- Wilson, C. R., 1986, The Abel-Fourier method of Hankel transformation - Applications to seismic data: *Geophys. Prosp.*, **34**, no. 04, 545–568.
- Worthington, P. F., 1982, The influence of shale effects upon the electrical resistivity of reservoir rocks: *Geophys. Prosp.*, **30**, no. 05, 673–687.
- Wright, C., and Johnson, P., 1982, On the generation of P-wave and S-wave energy in crystalline rocks: *Geophys. Prosp.*, **30**, no. 01, 58–70.
- Wyller, J., Wellander, N., Larson, F., and Parasnis, D., 1992, Burger's equation as a model for the IP phenomenon: *Geophys. Prosp.*, **40**, no. 03, 325–342.
- Xu, B., and Noel, M., 1993, On the completeness of data sets with multielectrode systems for electrical resistivity survey: *Geophys. Prosp.*, **41**, no. 06, 791–801.
- Xu, S., and White, R. E., 1995, A new velocity for clay-sand mixtures: *Geophys. Prosp.*, **43**, no. 01, 91–118.
- Xu, S.-Z., and Zhou, H., 1997, Modelling the 2D terrain effect on MT by the boundary-element method: *Geophys. Prosp.*, **45**, no. 6, 931–943.
- Xu, X., 1990, Downhole synthetic seismic profiles in elastic media: *Geophys. Prosp.*, **38**, no. 02, 139–168.
- Yaramanci, U., and Flach, D., 1992, Resistivity of rock-salt in Asse (germany) and petrophysical aspects: *Geophys. Prosp.*, **40**, no. 01, 85–100.
- Yaramanci, U., Lange, G., and Knodel, K., 1999, Surface NMR within a geophysical study of an aquifer at Haldensleben (germany): *Geophys. Prosp.*, **47**, no. 4, 923–944.
- Yaramanci, U., 1994, Relation of in situ resistivity to water content in salt rocks: *Geophys. Prosp.*, **42**, no. 03, 229–239.
- Yardley, G. S., and Crampin, S., 1991, Extensive-dilatancy anisotropy: Relative information in VSPs and reflection surveys: *Geophys. Prosp.*, **39**, no. 03, 337–356.
- Yilmaz, O., Nolen-Hoeksema, R. C., and Nur, A., 1994, Pore pressure profiles in fractured and compliant rocks: *Geophys. Prosp.*, **42**, no. 06, 693–714.
- Yilmaz, O., 1989, Velocity stack processing: *Geophys. Prosp.*, **37**, no. 04, 357–382.



- Young, T. K., Monash, C. B., and Turpening, R. M., 1984, Computer modeling of vertical-seismic-profiling: *Geophys. Prosp.*, **32**, no. 05, 851–870.
- Yunxuan, Z., 1993, Radon transform application to the improved gridding of airborne geophysical survey data: *Geophys. Prosp.*, **41**, no. 04, 459–494.
- Zanzi, L., 1990, Inversion of refracted arrivals: A few problems: *Geophys. Prosp.*, **38**, no. 04, 339–364.
- Zeng, X., and MacBeth, C., 1993, Algebraic processing techniques for estimating shear-wave splitting in near-offset VSP data: Theory: *Geophys. Prosp.*, **41**, no. 08, 1033–1066.
- Zeng, H., Zhang, Q., and Liu, J., 1994, Location of secondary faults from cross-correlation of the second vertical derivative of gravity anomalies: *Geophys. Prosp.*, **42**, no. 07, 841–854.
- Zeng, H., 1989, Estimation of the degree of polynomial fitted to gravity anomalies and its application: *Geophys. Prosp.*, **37**, no. 08, 959–974.
- Zhang, Y., and Paulson, K. V., 1997, Magnetotelluric inversion using regularized Hopfield neural networks: *Geophys. Prosp.*, **45**, no. 5, 725–743.
- Zhao, S. K., and Yedlin, M. J., 1991, Chebyshev expansions for the solution of the forward gravity problem: *Geophys. Prosp.*, **39**, no. 06, 783–802.
- Zhou, B., Greenhalgh, S. A., and Zhe, J., 1993, Numerical seismogram computations for inhomogeneous media using a short, variable length convolutional differentiator: *Geophys. Prosp.*, **41**, no. 06, 751–766.
- Zhou, B., Mason, I. M., and Greenhalgh, S. A., 1995, Accurate and efficient shot-gather dip moveout processing in the log-stretch domain: *Geophys. Prosp.*, **43**, no. 07, 963–978.
- Ziolkowski, A., and Fokkema, J. T., 1986, Tutorial on the progressive attenuation of high-frequency energy in seismic reflection data: *Geophys. Prosp.*, **34**, no. 07, 981–1001.
- Ziolkowski, A., and Johnston, R., 1997, Marine seismic sources: QC of wavefield computation from near-field pressure measurements: *Geophys. Prosp.*, **45**, no. 4, 611–639.
- Ziolkowski, A. M., Taylor, D. B., and Johnston, R. G. K., 1999, Marine seismic wavefield measurement to remove sea-surface multiples: *Geophys. Prosp.*, **47**, no. 4, 841–871.
- Ziolkowski, A., 1982, Further thoughts on Popperian geophysics - The example of deconvolution: *Geophys. Prosp.*, **30**, no. 02, 155–165.

- Ziolkowski, A., 1983, Reply to comments on 'Further thoughts on Popperian geophysics - The example of deconvolution', by Ziolkowski, A. (gpr-30-02-0155-0165): Geophys. Prosp., **31**, no. 03, 540–541.
- Ziolkowski, A., 1985, Reply to comments on 'Further thoughts on Popperian geophysics - The example of deconvolution', by Ziolkowski, A. (gpr-30-02-0155-0165): Geophys. Prosp., **33**, no. 06, 900–902.
- Ziolkowski, A. M., 1986, The scaling of airgun arrays including depth dependence and interactions: Geophys. Prosp., **34**, no. 03, 383–408.
- Ziolkowski, A. M., 1989, The scaling of air gun arrays, including depth dependence and interactions: A correction: Geophys. Prosp., **37**, no. 05, 583–586.