Bibliography

Beydoun, W.B., and Tarantola, A., 1988, First Born and Rytov approximations: modeling and inversion conditions in a canonical example: J. Acoust. Soc. Am., 83, 1045–1055.

Beylkin,G., 1982, Generalized radon transform and its applications: Ph.D. thesis, New York University.

Chernov, L.A., 1960, Wave propagation in a random medium: McGraw-Hill Inc.

Clærbout, J.F., 1985, Imaging the earth's interior: Blackwell Scientific Publication, p. 376–378.

Devaney, A.J., 1981, Inverse-scattering theory within the Rytov approximation: Optics Letters, 6, 374–376.

Devaney, A.J., 1982, A filtered backpropagation algorithm for diffraction tomography: Ultrasonic Imaging, 4, 336–350.

Devaney, A.J., 1984, Geophysical diffraction tomography: IEEE Trans. Geoscience and Remote Sensing, GE–22, 3–13.

Dines, K.A., and Lytle, R.J., 1979, Computerized geophysical tomography: Proc. IEEE, 67, 1065–1073.

Dongarra, J.J., Bunch, J.R., Moler, C.B., and Stewart, G.W., 1979, LINPACK Users' Guide: Society for Industrial and Applied Mathematics, 11.1–11.23.

Dziewonski, A.M., Hager, B.H., and O'Connell, R.J.,1977, Large-scale heterogeneities in the lower mantle: J. Geophys. Res., 82, 239–255.

Fawcett, J.A., and Clayton, R.W., 1984, Tomographic reconstruction of velocity anomalies: Bulletin of the Seismological Society of Amercia, 74, 2201–2219.

Foreman, T.L., 1989, An exact ray theoretical formulation of the Helmholtz equation: J. Acoust. Soc. Am., 86, 234–246.

Hagedoorn, J.G., 1954, A process of seismic reflection interpretation: Geophysical Prospecting, 2, 85–127.

Kak, A.C., 1985, Tomographic imaging with diffracting and nondiffracting sources, in Haykin, S., Ed., Array processing systems: Prentice-Hall Inc., 351–428.

Keller, J.B., 1969, Accuracy and validity of the Born and Rytov approximations: J. Opt. Soc. Am., 59, 1003–1004.

Kaveh, M., Soumekh, M., and Greenleaf, J.F., 1984, Signal processing for diffraction tomography: IEEE Trans. Son. Ultrason., SU–31, 230–238.

Lo, T., Toksöz, M.N., Xu, S., Wu, R., 1988, Ultrasonic laboratory tests of geophysical tomographic reconstruction: Geophysics, 53, 947–956.

Mersereau, R.M., and Oppenheim, A.V., 1974, Digital reconstruction of multi-dimensional signals from their projections: Proc. IEEE, **62**, 1319-1338.

Meyerholtz, K.A., Pavlis, G.L., Szpakowski, S.A., 1989, Convolutional quelling in seismic tomography: Geophysics, **54**, 570-580.

Menke, W., 1984a, Geophysical data analysis: discrete inverse theory: Academic Press Inc.

Menke, W., 1984b, The resolving power of cross-borehole tomography: Geophysical Research Letters, **11**, 105-108.

Miller, D., Oristaglio, M., and Beylkin, G., 1987, A new slant on seismic imaging: Migration and integral geometry: Geophysics, **52**, 943-964.

Mora, P., 1987, Elastic wavefield inversion: Ph.D. thesis, Stanford University.

Mueller, R.K., Kaveh, M., and Wade, G., 1979, Reconstructive tomography and applications to ultrasonics: Proc. IEEE, **67**, 567-587.

Mueller, R.K., 1980, Diffraction tomography I: the wave equation: Ultrasonic Imaging, **2**, 213-222.

Oristaglio, M.L., 1985, Accuracy of the Born and Rytov approximations for reflection and refraction at a plane interface: J. Opt. Soc. Am. A, **2**, 1987-1992.

Schneider, W.A., 1971, Developments in seismic data processing and analysis (1968-1970): Geophysics, **36**, 1043-1073.

Slaney, M., Kak, A. C., and Larsen, L., 1984, Limitations of imaging with first-order diffraction tomography: IEEE Trans. Microwave Theory and Techniques, MTT-**32**, 860-873.

Soumekh, M., 1988, Phase reconstruction/unwrapping from amplitude for diffracted waves using a perturbation solution of the wave equation: IEEE Trans. Acoust., Speech, Signal Processing, ASSP-**36**, 1076-1085.

Spakman, W. and Nolet, G, 1988, Imaging algorithms, accuracy and resolution in delay time tomography, *in* Vlaar, N.J., Nolet, G., Wortel, M.J.R., and Cloetingh, S.A.P.L., Eds., Mathematical geophysics: D. Reidel Publishing Company, 155-187.

Stork, C., 1988, Ray trace tomographic velocity analysis of surface seismic reflection data: Ph.D. thesis, California Institute of Technology.

Sword, C.H., 1987, Tomographic determination of interval velocities from reflection seismic data: the method of controlled directional reception: Ph.D. thesis, Stanford University.

Tarantola, A., 1984, Inversion of seismic reflection data in the acoustic approximation: Geophysics, **49**, 1259-1266.

Tarantola, A., 1987, Inversion of travel times and seismic waveforms, *in* Nolet, G., Ed., Seismic tomography: D. Reidel Publishing Company, 135-157.

Tribolet, J., 1977, A new phase unwrapping algorithm: IEEE Trans. Acoust., Speech, Signal Processing, ASSP-**25**, 170-177.

Van der Sluis, A., and Van der Vorst, H.A., 1987, Numerical solution of large, sparse linear algebraic systems arising from tomographic problems, *in* Nolet, G., Ed., Seismic tomography: D. Reidel Publishing Company, 49-83.

Van Trier, J., 1988, Migration-velocity analysis using geological constraints: Presented at the 58th Ann. Internat. Mtg., Soc. Explor. Geophys., 897-900.

Wengrovitz, M.S., and Oppenheim, A.V., 1987, Reconstruction of complex-valued propagating wave fields using the Hilbert-Hankel transform: J. Opt. Soc. Am. A, **4**, 247-266.

Wielandt, E., 1987, On the validity of the ray approximation for interpreting delay times, *in* Nolet, G., Ed., Seismic tomography: D. Reidel Publishing Company, 85–98.

Worthington, M.H., 1984, An introduction to geophysical tomography: First Break, **2**, 20–26.

Wu, R.S., and Toksöz, M.N., 1987, Diffraction tomography and multisource holography applied to seismic imaging: Geophysics, **52**, 11–25.