

Bibliography

- [1] S. Agmon, *Spectral theory of Schrödinger operators on Euclidean and non-Euclidean spaces*, Comm. Pure Appl. Math. **39** (1986), Suppl, S3-S16.
- [2] S. Agmon and L. Hörmander, *Asymptotic properties of solutions of differential equations with simple characteristics*, J. d'Anal. Math. **30** (1976), 1-30.
- [3] M. Anderson, A. Katsuda, Y. Kurylev, M. Lassas and M. Taylor, *Boundary regularity for the Ricci equation, geometric convergence and Gel'fand's inverse problem*, Invent. Math. **158**, (2004), 261-321.
- [4] R. Alexander, S. Alexander, *Geodesics in Riemannian manifolds with boundary*, Indiana Univ. Math. J. **30** (1981), 481-488.
- [5] T. M. Apostol, *Modular Functions and Dirichlet Series in Number Theory*, Springer-Verlag, New York-Heidelberg-Berlin (1976).
- [6] N. Aronszajn, *A unique continuation theorem for solutions of elliptic partial differential equations or inequalities of second order*, J. de Math. **36** (1957), 235-247.
- [7] K. Astala, M. Lassas and L. Paivarinta, *Calderon's inverse problem for anisotropic conductivity in the plane*, Comm. in P.D.E. **30** (2005), 207-224.
- [8] K. Astala and L. Paivarinta, *Calderon's inverse conductivity problem in the plane*, Ann. Math. **163** (2006), 265-299.
- [9] T. Aubin, *Nonlinear Analysis on Manifolds, Monge-Ampère Equations*, Springer-Verlag, New York Heidelberg Berlin (1982).
- [10] M. I. Belishev, *An approach to multidimensional inverse problems for the wave equation*, Dokl. Akad. Nauk SSSR **297** (1987), 524-527 (Engl. transl. Soviet Math. Dokl. **36** (1988), 481-484).
- [11] M. I. Belishev, *Boundary control in reconstruction of manifolds and metrics (the BC method)*, Inverse Problems **13** (1997), R1-R45.
- [12] M. I. Belishev and A. S. Blagovestchenski, *Multidimensional analogs of the Gel'fand-Levit-Krein equations in inverse problems for the wave equation*, Ill-Posed Problems of Mathematical Physics and Analysis, Nobosibirsk: Nauka (1992), 50-63 (in Russian).
- [13] M. I. Belishev and Y. V. Kurylev, *A nonstationary inverse problem for the multidimensional wave equation in the large*, (Russian), ZAP. Nauchn. Sem. LOMI **165** (1987), 21-30; translation J. Soviet Math. **50** (1990), 1944-1951.
- [14] M. I. Belishev and Y. V. Kurylev, *To the reconstruction of a Riemannian manifold via its spectral data (BC method)*, Comm. in P. D. E. **17** (1992), 767-804.
- [15] R. Benedetti and C. Petronio, *Lectures on Hyperbolic Geometry*, Springer-Verlag, Berlin-Heidelberg (1992).
- [16] P. Berard, G. Besson and S. Gallot, *Embedding Riemannian manifolds by their heat kernel*, Geom. Funct. Anal. **4** (1994), 373-398.
- [17] R. L. Bishop and R. J. Crittenden, *Geometry of Manifolds*, Academic Press, New York and London (1964).
- [18] A. S. Blagovestcenskii, *The local method of solution of the non-stationary inverse scattering problem for an inhomogeneous string*, (Russian), Trudy Mat. Inst. Steklova, **115** (1971), 28-38.
- [19] A. S. Blagovestcenskii, *The nonselfadjoint inverse matrix boundary problem for a hyperbolic differential equation*, In : Problems of mathematical physics, **5**, Spectral Theory, (Russian), Izdat. Leningrad Univ., Leningrad (1971), 38-62
- [20] D. Borthwick, *Scattering theory for conformally compact metric with variable curvature at infinity*, J. Funct. Anal. **184** (2001), 313-376.