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Nota di contenuto	Frontmatter -- Contents -- Preface -- Problems of integral geometry on curves and surfaces in Euclidean space / Begmatov, Akbar H. / Begmatov, Akram H. -- Existence of solutions of the first boundary-value problem for the third order equations of mixed type in unbounded domain / Djuraev, T. D. / Hashimov, A. R. -- On the monotone error rule for choosing the regularization parameter in ill-posed problems / Hämarik, U. / Tautenhahn, U. -- Well-posedness of one-dimensional inverse acoustic problem in Li for small depth or small data / Kabanikhin, S.I. / Iskakov, K.T. / Yamamoto, M. -- Fourier series in Banach spaces / Khadjiev, DJ. / Çavu, A. -- Ill-posed and inverse problems for hyperbolic equations / Lavrent'ev, M. M. -- Systems of linear integral equations of Volterra type with singular and super-singular kernels / Rajabov, N. -- Inverses of a family of bounded linear operators, generalized pythagorean theorems and reproducing kernels / Saitoh, S. -- Cauchy problem for the Helmholtz equation / Yarmukhamedov, Sh. / Yarmukhamedov, I. -- On problem for a third order equation with multiple characteristics / Abdinazarov, S. / Kholboev, B. M. -- On uniqueness and stability of solution of the Cauchy problem for pseudoparabolic equation / Amonov, B. K. / Kobilov, S. S. -- Uniqueness theorem for an unbounded domain /

Ashurova, Z. R. / Zhuraev, Yu. J. -- Recovery of a function set by integrals along a curve family in the plane / Begmatov, A. H. / Ochilov, Z. H. -- Uniqueness of extension of solutions of differential equations of the second order / Haidarov, A. / Shodiev, D.

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Sommario/riassunto

These proceedings of the international Conference "Ill-Posed and Non-Classical Problems of Mathematical Physics and Analysis", held at the Samarkand State University, Uzbekistan in September 2000 bring together fundamental research articles in the major areas of the numerated fields of analysis and mathematical physics. The book covers the following topics: theory of ill-posed problems inverse problems for differential equations boundary value problems for equations of mixed type integral geometry mathematical modelling and numerical methods in natural sciences

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