



Modern trends in pseudo-differential operators /

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Monografía

The ISAAC Group in Pseudo-Differential Operators (IGPDO) met at the Fifth ISAAC Congress held at Università di Catania in Italy in July, 2005. This volume consists of papers based on lectures given at the special session on pseudodifferential operators and invited papers that bear on the themes of IGPDO. Nineteen peer-reviewed papers represent modern trends in pseudo-differential operators. Topics include partial differential equations, global analysis, geometry, quantization, Wigner transforms, Weyl transforms on Lie groups, mathematical physics and timefrequency analysis. The articles will b.

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Transform -- A Characterization of Stockwell Spectra -- Exact and Numerical Inversion of Pseudo-differential Operators and Applications to Signal Processing -- On the Product of Localization Operators -- Gelfand-Shilov Spaces, Pseudo-differential Operators and Localization Operators -- Continuity and Schatten Properties for Toeplitz Operators on Modulation Spaces -- Microlocalization within Some Classes of Fourier Hyperfunctions

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