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| Soggetti | Differential equations Harmonic analysis Operator theory Global analysis (Mathematics) Manifolds (Mathematics) Functional analysis Differential Equations Abstract Harmonic Analysis Operator Theory Global Analysis and Analysis on Manifolds Functional Analysis |
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| Nota di contenuto | Anisotropic Gevrey-Hörmander pseudo-differential operators on modulation spaces -- Hardy spaces on weighted homogeneous trees -- The global Cauchy problem for the plate equation in weighted Sobolev spaces -- Cone-Adapted Shearlets and Radon Transforms -- Linear perturbations of the Wigner transform and the Weyl quantization -- About the nuclearity of $S(M_p)$ and S_w -- Spaces of ultradifferentiable functions of multi-anisotropic type -- Comparison principle for non-cooperative elliptic systems and applications -- On the simple layer potential ansatz for the n-dimensional Helmholtz equation -- Decay estimates and Gevrey smoothing for a strongly damped plate equation -- Long time decay estimates in real Hardy spaces for the Double |

Dispersion Equation -- On Density Operators with Gaussian Weyl Symbols -- On the solvability of a class of second order degenerate operators -- Small data solutions for semilinear waves with time-dependent damping and mass terms -- Integrating Gauge Fields in the -formulation of Feynman's path integral -- A Class of Well-Posed Parabolic Final Value Problems -- Localization of a Class of Muckenhoupt Weights by Using Mellin Pseudo-Differential Operators -- Carleman regularization and hyperfunctions -- Strictly hyperbolic Cauchy problems with coefficients low-regular in time and space -- Quantization and Coorbit Spaces for Nilpotent Groups -- On the Measurability of Stochastic Fourier Integral Operators -- Convolution and Anti-Wick quantisation on ultradistribution spaces -- Exact formulas to the solutions of several generalizations of the nonlinear Schrödinger equation -- Dirichlet-to-Neumann Operator and Zaremba Problem -- Extended Gevrey regularity via the short-time Fourier transform -- Wiener estimates on modulation spaces -- The Gabor wave front set of compactly supported distributions.

Sommario/riassunto

The present volume gathers contributions to the conference Microlocal and Time-Frequency Analysis 2018 (MLTFA18), which was held at Torino University from the 2nd to the 6th of July 2018. The event was organized in honor of Professor Luigi Rodino on the occasion of his 70th birthday. The conference's focus and the contents of the papers reflect Luigi's various research interests in the course of his long and extremely prolific career at Torino University.
