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Altri autori (Persone)	RottensteinerDavid RuzhanskyM (Michael)
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Soggetti	Operator theory Functional analysis Operator Theory Functional Analysis Anàlisi funcional Teoria d'operadors Llibres electrònics
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Nota di contenuto	- On the existence of a Weyl calculus on graded Lie groups -- On Courant and Pleijel theorems for sub-Riemannian Laplacians -- Fourier analysis on lattices and beyond -- Normal forms and regularity at radial points -- Fredholmness of pseudodifferential operators on rearrangement-invariant spaces -- Diophantine conditions and global properties for systems of vector fields in tori and spheres -- Phase space Feynman path integrals of parabolic type on the torus as analysis on path space -- Quasi-Clustering for the Spectrum of Semiregular Systems -- Multilinear Fourier integral operators on modulation spaces -- Pseudodifferential operators with completely periodic symbols and Gabor frames -- Characterization of wave front sets associated with ultradistributional spaces by special orbital wavelet transform -- Ridgelet transform on Gelfand-Shilov spaces of type W -- Recent

advances in harmonic analysis on the group $SL(2, \mathbb{R})$ --
Pseudodifferential transmission problems -- Pseudo-differential
operators involving the Weinstein transform -- Banach-space-valued
ultradistributions involving the Weinstein transform -- Regularity of
oscillatory integral operators arising in evolutionary PDEs, in classical
function spaces -- Restriction theorems for Fourier-Dunkl transform --
On the iterates of the Laguerre operator.

Sommario/riassunto

The current volume gives an update on recent developments in the
theory of pseudo-differential operators and related topics. The results
collected here were presented at the Pseudo-Differential Operators and
Related Topics (PSORT) 2024 Conference at Ghent University, Belgium,
and cover a wide range of topics in pseudo-differential operators,
microlocal analysis, time-frequency analysis, and related applications.
