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Nota di contenuto	Discrete Analogs of Wigner Transforms and Weyl Transforms -- Characterization of Non-Smooth Pseudodifferential Operators with Hölder Continuous Coefficients -- Fredholmness and Ellipticity of psi DOs on Bs pq(Rn) and Fspq(Rn) -- Characterizations of Self-Adjointness, Normality, Invertibility and Unitarity of Pseudo-Differential Operators on Compact and Hausdorff Groups -- Multilinear Commutators in Variable Lebesgue Spaces on Stratied Groups -- Volterra Operators with Asymptotes on Manifolds with Edge -- Bismut's Way of the Malliavin Calculus for Non-Markovian Semi-Groups: an Introduction -- Operator Transformation of Probability Densities -- The Time-Frequency Interference Terms of the Green's Function for the Harmonic Oscillator -- On the Solvability in the Sense of Sequences for Some Non-Fredholm Operators Related to the Anomalous Diffusion.
Sommario/riassunto	This volume, like its predecessors, is based on the special session on pseudo-differential operators, one of the many special sessions at the 11th ISAAC Congress, held at Linnaeus University in Sweden on August 14-18, 2017. It includes research papers presented at the session and

invited papers by experts in fields that involve pseudo-differential operators. The first four chapters focus on the functional analysis of pseudo-differential operators on a spectrum of settings from Z to Rn to compact groups. Chapters 5 and 6 discuss operators on Lie groups and manifolds with edge, while the following two chapters cover topics related to probabilities. The final chapters then address topics in differential equations.