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""2.4 Hoh's Symbolic Calculus for Pseudo-Differential Operators with Negative Definite Symbols

""""2.5 Estimates for Pseudo-Differential Operators with Negative Definite Symbols Using the Symbolic Calculus

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""2.6 Feller Semigroups and Sub-Markovian Semigroups Generated by Pseudo-Differential Operators

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Sommario/riassunto

In this volume two topics are discussed: the construction of Feller and L_p -sub-Markovian semigroups by starting with a pseudo-differential operator, and the potential theory of these semigroups and their generators. The first part of the text essentially discusses the analysis of pseudo-differential operators with negative definite symbols and develops a symbolic calculus; in addition, it deals with special approaches, such as subordination in the sense of Bochner. The second part handles capacities, function spaces associated with continuous negative definite functions, L_p -sub-Markovian sem
