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Autore	Stein Elias M.
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Nota di contenuto	Frontmatter -- Preface -- Contents -- Introduction -- Chapter I: Lie Groups (A Review) -- Chapter II: Littlewood-Paley Theory for a Compact Lie Group -- Chapter III: General Symmetric Diffusion Semi-Groups -- Chapter IV: The General Littlewood-Paley Theory -- Chapter V: Further Illustrations -- References -- Appendix (1985)
Sommario/riassunto	This work deals with an extension of the classical Littlewood-Paley theory in the context of symmetric diffusion semigroups. In this general setting there are applications to a variety of problems, such as those arising in the study of the expansions coming from second order elliptic operators. A review of background material in Lie groups and martingale theory is included to make the monograph more accessible to the student.