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Titolo	Induced representations of locally compact groups // Eberhard Kaniuth, University of Paderborn, Germany, Keith F. Taylor, Dalhousie University, Nova Scotia [[electronic resource]]
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Descrizione fisica	1 online resource (xiii, 343 pages) : digital, PDF file(s)
Collana	Cambridge tracts in mathematics ; ; 197
Disciplina	512/.25
Soggetti	Locally compact groups Topological spaces Representations of groups
Lingua di pubblicazione	Inglese
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Note generali	Title from publisher's bibliographic system (viewed on 05 Oct 2015).
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Basics -- Induced representations -- The imprimitivity theorem -- Mackey analysis -- Topologies on dual spaces -- Topological Frobenius properties -- Further applications.
Sommario/riassunto	The dual space of a locally compact group G consists of the equivalence classes of irreducible unitary representations of G . This book provides a comprehensive guide to the theory of induced representations and explains its use in describing the dual spaces for important classes of groups. It introduces various induction constructions and proves the core theorems on induced representations, including the fundamental imprimitivity theorem of Mackey and Blattner. An extensive introduction to Mackey analysis is applied to compute dual spaces for a

wide variety of examples. Fell's contributions to understanding the natural topology on the dual are also presented. In the final two chapters, the theory is applied in a variety of settings including topological Frobenius properties and continuous wavelet transforms. This book will be useful to graduate students seeking to enter the area as well as experts who need the theory of unitary group representations in their research.
