

1. Record Nr.	UNINA9910146292603321
Autore	Bouc Serge <1955->
Titolo	Green functors and G-sets // Serge Bouc
Pubbl/distr/stampa	Berlin : , : Springer, , [1997] ©1997
ISBN	3-540-69596-6
Edizione	[1st ed. 1997.]
Descrizione fisica	1 online resource (VII, 342 p.)
Collana	Lecture notes in mathematics ; ; 1671
Disciplina	512.55
Soggetti	Green functors Group rings Finite groups
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Mackey functors -- Green functors -- The category associated to a green functor -- The algebra associated to a green functor -- Morita equivalence and relative projectivity -- Construction of green functors -- A morita theory -- Composition -- Adjoint constructions -- Adjunction and green functors -- The simple modules -- Centres.
Sommario/riassunto	This book provides a definition of Green functors for a finite group G , and of modules over it, in terms of the category of finite G -sets. Some classical constructions, such as the associated category or algebra, have a natural interpretation in that framework. Many notions of ring theory can be extended to Green functors (opposite Green functor, bimodules, Morita theory, simple modules, centres,...). There are moreover connections between Green functors for different groups, given by functors associated to bisets. Intended for researchers and students in representation theory of finite groups it requires only basic algebra and category theory, though knowledge of the classical examples of Mackey functors is probably preferable.