

1. Record Nr.	UNINA9910784286503321
Autore	Gobel R (Rudiger), <1940->
Titolo	Approximations and endomorphism algebras of modules [[electronic resource] /] / by Rudiger Gobel and Jan Trlifaj
Pubbl/distr/stampa	Berlin ; ; New York, : Walter de Gruyter, 2006
ISBN	1-282-19483-6 9786612194832 3-11-019972-6
Descrizione fisica	1 online resource (664 p.)
Collana	De Gruyter expositions in mathematics ; ; 41
Classificazione	510 SK 150 SK 230 SK 820
Altri autori (Persone)	TrlifajJan
Disciplina	512/.42
Soggetti	Modules (Algebra) Moduli theory Approximation theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Front matter -- Contents -- Chapter 1. Some useful classes of modules -- Chapter 2. Approximations of modules -- Chapter 3. Complete cotorsion pairs -- Chapter 4. Deconstruction of cotorsion pairs -- Chapter 5. Tilting approximations -- Chapter 6. 1-tilting modules and their applications -- Chapter 7. Tilting approximations and the finitistic dimension conjectures -- Chapter 8. Cotilting modules -- Chapter 9. The Black Box and its relatives -- Chapter 10. Independence results for cotorsion pairs -- Chapter 11. The lattice of cotorsion pairs -- Chapter 12. Realizing algebras - by algebraically independent elements and by prediction principles -- Chapter 13. E(R)-algebras -- Chapter 14. Modules with distinguished submodules -- Chapter 15. Some useful classes of algebras -- Backmatter
Sommario/riassunto	The category of all modules over a general associative ring is too complex to admit any reasonable classification. Thus, unless the ring is of finite representation type, one must limit attempts at classification to some restricted subcategories of modules. The wild character of the

category of all modules, or of one of its subcategories  $C$  is often indicated by the presence of a realization theorem, that is, by the fact that any reasonable algebra is isomorphic to the endomorphism algebra of a module from  $C$ . This results in the existence of pathological direct sum decompositions and these are generally viewed as obstacles to the classification. Realization theorems have thus become important indicators of the non-classification theory of modules. In order to overcome this problem, approximation theory of modules has been developed over the past few decades. The idea here is to select suitable subcategories  $C$  whose modules can be classified, and then to approximate arbitrary modules by ones from  $C$ . These approximations are neither unique nor functorial in general, but there is always a rich supply available appropriate to the requirements of various particular applications. Thus approximation theory has developed into an important part of the classification theory of modules. In this monograph the two methods are brought together. First the approximation theory of modules is developed and some of its recent applications, notably to infinite dimensional tilting theory, are presented. Then some prediction principles from set theory are introduced and these become the principal tools in the establishment of appropriate realization theorems. The monograph starts from basic facts and gradually develops the theory towards its present frontiers. It is suitable both for graduate students interested in algebra and for experts in module and representation theory.

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2. Record Nr.	UNIORUON00417490
Autore	GIL DE BIEDMA, Jaime
Titolo	Volver / Jaime Gil de Biedma ; edición de Dionisio Cañas
Pubbl/distr/stampa	Madrid, : Catedra, 1990
ISBN	84-376-0879-1
Edizione	[2a ed]
Descrizione fisica	151 p. ; 18 cm
Disciplina	861.64
Lingua di pubblicazione	Spagnolo
Formato	Materiale a stampa
Livello bibliografico	Monografia
3. Record Nr.	UNICAMPANIAVAN0123452
Titolo	Quantitative psychology : the 81. annual meeting of the psychometric Society, Asheville, North Carolina, 2016 / L. Andries van der Ark ... [et al.] editors
Pubbl/distr/stampa	Cham, : Springer, 2017
Titolo uniforme	Quantitative psychology : the 81. annual meeting of the psychometric Society, Asheville, North Carolina, 2016
Descrizione fisica	IX, 430 p. : ill. ; 24 cm
Soggetti	00B25 - Proceedings of conferences of miscellaneous specific interest [MSC 2020] 62-XX - Statistics [MSC 2020] 62P15 - Applications of statistics to psychology [MSC 2020]
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia

