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""7. A functor between categories of regular modules""""8. Generation of cocones""; ""9. Factorisations of morphisms""; ""References""; ""Phantom Morphisms and Salcea€?s Lemma""; ""1. Introduction""; ""2. Preliminaries""; ""3. Salcea€?s Lemma""; ""4. The Flat Cover Conjecture""; ""5. Phantom Morphisms""; ""6. Salcea€?s Lemma for Ideals""; ""7. Subfunctors of ""; ""8. Examples""; ""9. Quasi-Frobenius Rings""; ""10. The Powers of the Phantom Ideal""; ""References""; ""Morita theory, revisited""; ""1. Introduction""; ""2. Notations""; ""3. Morita theory""; ""4. The Lambek theorem"" ""5. Self-dual idempotents and Morita algebras""""References""; ""Universal deformation rings of group representations, with an application of Brauera€?s generalized decomposition numbers""; ""1. Introduction""; ""2. Mazura€?s deformation theory""; ""3. Universal deformation rings of modules for finite groups""; ""4. Brauera€?s generalized decomposition numbers and universal deformation rings""; ""References""; ""Derived Representation Schemes and Noncommutative Geometry""; ""1. Introduction""; ""Notation and Conventions""; ""2. Model categories""; ""3. Representation Schemes"" ""4. Cyclic Homology and Higher Trace Maps""""5. Abelianization of the Representation Functor""; ""6. Examples""; ""Acknowledgements""; ""References""; ""Classifying torsion pairs for tame hereditary algebras and tubes""; ""Introduction""; ""1. Torsion pairs""; ""2. Torsion pairs and tilting for finite dimensional algebras""; ""3. Big cotilting modules for finite dimensional algebras""; ""4. Tubes""; ""5. Combinatorial classifications""; ""References""; ""Problems solved by using degrees of irreducible morphisms""; ""Introduction""; ""1. Preliminaries and Notation""; ""2. On degrees"" ""3. Characterizations of the notion of degree""
