1. Record Nr. UNINA9910484375903321 Autore Elias Ben Titolo Introduction to Soergel bimodules / / Ben Elias [and three others] Pubbl/distr/stampa Cham, Switzerland:,: Springer,, [2020] ©2020 **ISBN** 3-030-48826-8 Edizione [1st ed. 2020.] 1 online resource (XXV, 588 p. 471 illus., 181 illus. in color.) Descrizione fisica RSME Springer series;; Volume 5 Collana Disciplina 512.4 Polynomial rings Soggetti Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto This book provides a comprehensive introduction to Soergel bimodules. First introduced by Wolfgang Soergel in the early 1990s, they have since become a powerful tool in geometric representation theory. On the one hand, these bimodules are fairly elementary objects and explicit calculations are possible. On the other, they have deep connections to Lie theory and geometry. Taking these two aspects together, they offer a wonderful primer on geometric representation theory. In this book the reader is introduced to the theory through a series of lectures, which range from the basics, all the way to the latest frontiers of research. This book serves both as an introduction and as a

students to experienced researchers.

reference guide to the theory of Soergel bimodules. Thus it is intended for anyone who wants to learn about this exciting field, from graduate