1. Record Nr. UNINA9910299993203321 Autore Givant Steven Titolo Duality theories for Boolean algebras with operators / / by Steven Givant Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2014 **ISBN** 3-319-06743-5 Edizione [1st ed. 2014.] Descrizione fisica 1 online resource (246 p.) Collana Springer Monographs in Mathematics, , 1439-7382 Disciplina 511.324 Soggetti Mathematical logic Algebra Ordered algebraic structures Mathematical Logic and Foundations Order, Lattices, Ordered Algebraic Structures General Algebraic Systems 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 1. Algebraic Duality -- 2. Topological Duality -- 3. Hybrid Duality. Sommario/riassunto In this new text, Steven Givant—the author of several acclaimed books, including works co-authored with Paul Halmos and Alfred Tarski develops three theories of duality for Boolean algebras with operators. Givant addresses the two most recognized dualities (one algebraic and the other topological) and introduces a third duality, best understood as a hybrid of the first two. This text will be of interest to graduate students and researchers in the fields of mathematics, computer science, logic, and philosophy who are interested in exploring special or general classes of Boolean algebras with operators. Readers should be familiar with the basic arithmetic and theory of Boolean algebras, as

well as the fundamentals of point-set topology.