

1. Record Nr.	UNINA9910785936203321
Autore	Dudek Wieslaw A
Titolo	Algebras of multiplace functions [[electronic resource] /] / Wieslaw A. Dudek, Valentin S. Trokhimenko
Pubbl/distr/stampa	Berlin ; ; Boston, : De Gruyter, c2012
ISBN	9786613940711 1-283-62826-0
Descrizione fisica	1 online resource (400 p.)
Classificazione	SK 200
Altri autori (Persone)	TrokhimenkoValentin S
Disciplina	512
Soggetti	Algebra
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 indexes.
Nota di contenuto	Front matter -- Preface -- Contents -- Chapter 1. Main concepts -- Chapter 2. Menger algebras of functions -- Chapter 3. Ordered Menger algebras -- Chapter 4. Relations between functions -- Chapter 5. $(2, n)$ -semigroups of functions -- Chapter 6. Systems of multiplace functions -- Chapter 7. Open problems -- Bibliography -- Index of notations -- Index
Sommario/riassunto	This monograph is devoted to various types of algebras of functions with $n$ variables. It is the first complete monograph (in English) on this topic, covering mainly the Russian literature. It is addressed to all algebraists working in the area of universal algebras, semigroup theory, etc. It is also a useful source of information for graduate and PhD students who are starting their research in this area. The book is the first monograph in the English mathematical literature which provides readers with a very systematical study of the notion of Menger algebras, and its generalizations and applications. The results presented here were originally published mostly in the Russian literature: In 2006, the first version of this book was edited in Russian and it is now presented in an extended version, where two new and very important chapters are added. The monograph is a broad survey of unknown or little-known Russian literature on algebras of multiplace functions and presents to the mathematical community a beautiful and strongly developing theory.

