

Idempotent Analysis and Its Applications Mathematics and Its Applications

By Victor P. Maslov

Springer. Hardcover. Book Condition: New. Hardcover. 305 pages. Dimensions: 9.3in. x 6.4in. x 1.0in. The first chapter deals with idempotent analysis per se. To make the pres- tation selfcontained, in the first two sections we define idempotent semirings, give a concise exposition of idempotent linear algebra, and survey some of its applications. Idempotent linear algebra studies the properties of the semirn- ules An , n E N , over a semiring A with idempotent addition; in other words, it studies systems of equations that are linear in an idempotent semiring. Pr- ably the first interesting and nontrivial idempotent semiring, namely, that of all languages over a finite alphabet, as well as linear equations in this sern- ing, was examined by S. Kleene 107 in 1956. This noncommutative semiring was used in applications to compiling and parsing (see also 1). Presently, the literature on idempotent algebra and its applications to theoretical computer science (linguistic problems, finite automata, discrete event systems, and Petri nets), biomathematics, logic, mathematical physics, mathematical economics, and optimizat ion, is immense; e.g., see 9, 10, 11, 12, 13, 15, 16, 17, 22, 31, 32, 35, 36, 37, 38, 39...



Reviews

The publication is simple in go through preferable to fully grasp. I am quite late in start reading this one, but better then never. It is extremely difficult to leave it before concluding, once you begin to read the book. -- Mrs. Josiane Collins

This is the best book i have read until now. It can be filled with knowledge and wisdom Once you begin to read the book, it is extremely difficult to leave it before concluding. -- Nadia Konopelski