

1. Record Nr.	UNINA9910778261103321
Autore	Alsina Claudi
Titolo	Associative functions [[electronic resource]] : triangular norms and copulas // Claudi Alsina, Maurice J. Frank, Berthold Schweizer
Pubbl/distr/stampa	Singapore ; ; Hackensack, NJ, : World Scientific, c2006
ISBN	1-281-91934-9 9786611919344 981-277-420-3
Descrizione fisica	1 online resource (253 p.)
Altri autori (Persone)	SchweizerB (Berthold) FrankMaurice J
Disciplina	515/.7
Soggetti	Functional equations Associative law (Mathematics) Mathematical analysis Functional equations - Study and teaching Associative law (Mathematics) - Study and teaching Mathematical analysis - Study and teaching
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. 223-234) and index.
Nota di contenuto	Preface -- Special symbols -- 1. Introduction. 1.1. Historical notes. 1.2. Preliminaries. 1.3. t-norms and s-norms. 1.4. Copulas -- 2. Representation theorems for associative functions. 2.1. Continuous, Archimedean t-norms. 2.2. Additive and multiplicative generators. 2.3. Extension to arbitrary closed intervals. 2.4. Continuous, non-Archimedean t-norms. 2.5. Non-continuous t-norms. 2.6. Families of t-norms. 2.7. Other representation theorems. 2.8. Related functional equations -- 3. Functional equations involving t-norms. 3.1. Simultaneous associativity. 3.2. n-duality. 3.3. Simple characterizations of Min. 3.4. Homogeneity. 3.5. Distributivity. 3.6. Conical t-norms. 3.7. Rational Archimedean t-norms. 3.8. Extension and sets of uniqueness -- 4. Inequalities involving t-norms. 4.1. Notions of concavity and convexity. 4.2. The dominance relation. 4.3. Uniformly close associative functions. 4.4. Serial iterates and n-copulas. 4.5. Positivity.

