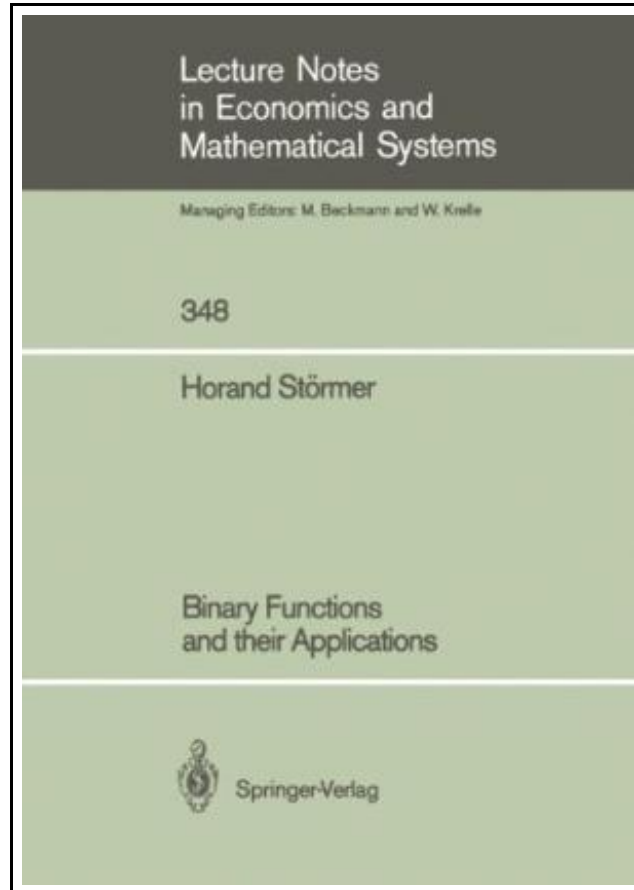


Binary Functions and their Applications



Filesize: 6 MB

Reviews

This publication is definitely not simple to begin on studying but quite fun to see. It really is full of knowledge and wisdom I am just effortlessly can get a satisfaction of studying a created pdf.
(Alfreda Bradtke)

BINARY FUNCTIONS AND THEIR APPLICATIONS



To save **Binary Functions and their Applications** eBook, make sure you access the web link beneath and download the ebook or gain access to additional information that are relevant to BINARY FUNCTIONS AND THEIR APPLICATIONS ebook.

Book Condition: New. Publisher/Verlag: Springer, Berlin | In this book binary functions and their representation by implicants or implicates are described. In particular minimal representations by prime implicants or prime implicates are given. Such representations generalize the minimal representations of the usual Boolean functions. It is shown that implicants (implicates) of discrete functions may be constructed with the help of implicants (implicates) of binary functions. One substantial application is the description of the reliability structure of technical systems, another is the use of binary respectively discrete functions to classify objects which are described by the grades of certain attributes. Finally a class of Boolean algebras of practical importance (set algebras, indicator algebras, algebras of classes of propositions) are considered. The elements of such algebras have representations which are strongly connected with the representations of binary functions. | 1. Introduction.- 2. Binary Functions and their Representations by Implicants.- 2.1 Cube Indicators.- 2.2 Implicants.- 2.3 Prime Implicants.- 2.4 Representations by Implicants (Prime Implicants).- 3. Representations of Binary Functions by Implicates.- 3.1 Anticube Indicators.- 3.2 Implicates.- 3.3 Prime Implicates.- 3.4 Representations by Implicates (Prime Implicates).- 4. Reduction Methods.- 4.1 Notation.- 4.2 Rule.- 4.3 Rule.- 4.4 Rule.- 4.5 Rule.- 4.6 Rule.- 4.7 Rule (Corollary).- 4.8 Rule.- 4.9 Rule.- 5. Discrete Functions.- 5.1 Representations by Binary Functions.- 5.2 Monotone Functions.- 5.3 Semimonotone Functions.- 5.4 Implicants (Prime Implicants) of Discrete Functions.- 5.5 Representations by Implicants (Prime Implicants).- 5.6 Implicates (Prime Implicates) of Discrete Functions.- 5.7 Representations by Implicates (Prime Implicates).- 6. Applications.- 6.1 Reliability Structure of Technical Systems.- 6.2 Classification (Valuation) of Objects.- 7. A Class of Finite Boolean Algebras.- 7.1 Boolean Algebras.- 7.2 Boolean Algebras Generated by Finite Partitions.- 7.3 Representations of Boolean Elements by Implicants.- 7.4 Representations of Boolean Elements by Implicates.- 7.5 Probability.- 8. Applications.- 8.1 Set Algebras (Event Algebras).- 8.2 Indicator Algebras.-...



Read Binary Functions and their Applications Online



Download PDF Binary Functions and their Applications

Other Kindle Books



[PDF] McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)

Access the hyperlink beneath to download and read "McGraw-Hill Reading Phonics And Phonemic Awareness Practice Book, Grade 3 (2001 Copyright)" PDF file.

[Download Book »](#)



[PDF] Southern Educational Review Volume 3

Access the hyperlink beneath to download and read "Southern Educational Review Volume 3" PDF file.

[Download Book »](#)



[PDF] Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers

Access the hyperlink beneath to download and read "Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers" PDF file.

[Download Book »](#)



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Access the hyperlink beneath to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)" PDF file.

[Download Book »](#)



[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)

Access the hyperlink beneath to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselves By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625)" PDF file.

[Download Book »](#)



[PDF] Would It Kill You to Stop Doing That?

Access the hyperlink beneath to download and read "Would It Kill You to Stop Doing That?" PDF file.

[Download Book »](#)