

1. Record Nr.	UNINA9910707854003321
Autore	Hunt William J., Jr.
Titolo	Archeological investigation of the carriage house, James A. Garfield National Historic Site, Mentor, Ohio // by William J. Hunt, Jr
Pubbl/distr/stampa	Lincoln, Nebraska : , : United States Department of the Interior, National Park Service, Midwest Archeological Center, , 1999
Descrizione fisica	1 online resource (vi, 146 pages) : illustrations
Collana	Midwest Archeological Center technical report ; ; no. 62
Soggetti	Excavations (Archaeology) - Ohio - Mentor Historic buildings - Ohio - Mentor James A. Garfield National Historic Site (Mentor, Ohio) Mentor (Ohio) Antiquities
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (pages 41-43).

2. Record Nr.	UNINA9910739449803321
Autore	Busbait Monther
Titolo	Decision Trees for Fault Diagnosis in Circuits and Switching Networks / / by Monther Busbait, Mikhail Moshkov, Albina Moshkova, Vladimir Shevtchenko
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2023
ISBN	9783031390319 3031390318
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (135 pages)
Collana	Studies in Systems, Decision and Control, , 2198-4190 ; ; 493
Altri autori (Persone)	MoshkovMikhail MoshkovaAlbina ShevtchenkoVladimir
Disciplina	621.3192
Soggetti	Automation Engineering mathematics Engineering - Data processing Bioengineering Mathematical and Computational Engineering Applications Biological and Physical Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Introduction -- Diagnosis of constant Faults at Inputs of Gates in Circuits -- Diagnosis of Embedding Faults in Circuits -- Diagnosis of Extensions of Constant Faults in Circuits -- Diagnosis of Retaining Faults in Circuits -- Diagnosis of Constant Faults in Switching Networks.
Sommario/riassunto	In this book, we study decision trees for fault diagnosis in circuits and switching networks, which are among the most fundamental models for computing Boolean functions. We consider two main cases: when the scheme (circuit or switching network) has the same mode of operation for both calculation and diagnostics, and when the scheme has two modes of operation—normal for calculation and special for diagnostics. In the former case, we get mostly negative results, including superpolynomial lower bounds on the minimum depth of diagnostic

decision trees depending on scheme complexity and the NP-hardness of construction diagnostic decision trees. In the latter case, we describe classes of schemes and types of faults for which decision trees can be effectively used to diagnose schemes, when they are transformed into so-called iteration-free schemes. The tools and results discussed in this book help to understand both the possibilities and challenges of using decision trees to diagnose faults in various schemes. The book is useful to specialists both in the field of theoretical and technical diagnostics. It can also be used for the creation of courses for graduate students.

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