1. Record Nr. UNISALENTO991003797039707536

Autore	Cabannes, H.
Titolo	Padé approximants method and its applications to mechanics / edited by H. Cabannes
Pubbl/distr/stampa	Berlin ; New York : Springer, 1976
ISBN	038707614X
Descrizione fisica	XIII, 267 p. : ill., ritr. ; 25 cm.
Collana	Lecture notes in physics ; 47
Disciplina	532.001515
Soggetti	Fluidi - Meccanica
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910793235503321

Autore	Weiss Eyal
Titolo	Low-power and high-sensitivity magnetic sensors and systems / / Eyal Weiss, Roger Alimi
Pubbl/distr/stampa	Norwood, Massachusetts : , : Artech House, , [2019] [Piscataqay, New Jersey] : , : IEEE Xplore, , [2018]
ISBN	1-63081-244-7
Descrizione fisica	1 online resource (309 pages)
Collana	Artech house remote sensing series
Disciplina	538.72028
Soggetti	Magnetometers
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Sommario/riassunto	This comprehensive new resource analyzes sources of noise and clutter

that magnetic sensing system developers encounter. This book guides practitioners in designing and building low noise and low power consumption magnetic measurement systems. Various examples of magnetic surveillance and survey systems are provided. This book enables system designers to obtain an all-inclusive spectral understanding of typical sources of noise and clutter present in the system and environment for each application, in order to successfully design stable and sensitive low power magnetic sensing devices. Detection and localization methods are explored, as well as deterministic and heuristics algorithms which are an integral part of any magnetic sensing system. This book is aimed to eliminate some of the "black magic" manipulations present during low noise magnetic measurements. The book meticulously describes, analyzes and quantifies the variables that affect low noise measurement systems. Readers are able to understand sources of measurements irregularities and how to effectively mitigate them. Moreover, this book also presents low power magnetometers and dedicated low noise sampling techniques.