1. Record Nr. UNINA9910795506103321

Autore	Li Jun-Pu
Titolo	Radial Basis Function Methods for Large-Scale Wave Propagation
Pubbl/distr/stampa	UAE : , : Bentham Science Publishers, , 2021 ©2021
ISBN	1-68108-898-3
Descrizione fisica	1 online resource (183 pages)
Altri autori (Persone)	QinQinghua
Disciplina	511.42
Soggetti	Radial basis functions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover -- Title -- Copyright -- End User License Agreement -- Contents -- Preface -- Acknowledgements -- 04-Chapter-01 -- 05-Chapter-02 -- 06-Chapter-03 -- 07-Chapter-04 -- 08-Chapter-05 -- 09-Chapter-06 -- 10-Chapter-07 -- 11-Chapter-08 -- 12-Chapter-09 -- 13-Appendix -- 14-Nomenclature -- Subject Index -- Back Cover.
Sommario/riassunto	This book details the development of techniques and ideas from the radial basis function. It begins with a mathematical description of the basic concept of radial function method with chapters progressively delving into the derivation and construction of radial basis functions for large-scale wave propagation problems including singularity problems, high-frequency wave problems and large-scale computation problems. This reference, written by experts in numerical analysis, demonstrates how the functions arise naturally in mathematical analyses of structures responding to external loads. Readers are also equipped with mathematical knowledge about the radial basis function for understanding key algorithms required for practical solutions.