

1. Record Nr.	UNINA9910877864903321
Titolo	Mathematical morphology : from theory to applications // edited by Laurent Najman, Hugues Talbot
Pubbl/distr/stampa	London, : ISTE Hoboken, N.J., : Wiley, 2010
ISBN	1-118-60078-9 1-299-14637-6 1-118-60090-8 1-118-60085-1
Descrizione fisica	1 online resource (529 p.)
Collana	ISTE
Altri autori (Persone)	NajmanLaurent TalbotHugues
Disciplina	621.36/70151
Soggetti	Image analysis Image processing - Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Adapted and updated from two volumes Morphologie mathématique 1, 2 published 2008 and 2010 in France by Hermes Science/Lavoisier."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Foundations -- pt. 2. Evaluating and deciding -- pt. 3. Filtering and connectivity -- pt. 4. Links and extensions -- pt. 5. Applications.
Sommario/riassunto	Mathematical Morphology allows for the analysis and processing of geometrical structures using techniques based on the fields of set theory, lattice theory, topology, and random functions. It is the basis of morphological image processing, and finds applications in fields including digital image processing (DSP), as well as areas for graphs, surface meshes, solids, and other spatial structures. This book presents an up-to-date treatment of mathematical morphology, based on the three pillars that made it an important field of theoretical work and practical application: a solid theoret