

1. Record Nr.	UNINA9910827249803321
Titolo	New trends in geometry : their role in the natural and life sciences // Claudio Bartocci, Luciano Boi, Corrado Sinigaglia, editors
Pubbl/distr/stampa	London, : Imperial College Press, 2011
ISBN	1-283-43317-6 9786613433176 1-84816-643-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (329 p.)
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Disciplina	516
Soggetti	Geometry Natural history - Mathematical models Life sciences - Mathematical models
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Geometry, theoretical physics and cosmology -- pt. 2. The problem of space in neurosciences -- pt. 3. Geometrical methods in the biological sciences.
Sommario/riassunto	This volume focuses on the interactions between mathematics, physics, biology and neuroscience by exploring new geometrical and topological modelling in these fields. Among the highlights are the central roles played by multilevel and scale-change approaches in these disciplines. The integration of mathematics with physics, as well as molecular and cell biology and the neurosciences, will constitute the new frontier of 21st century science, where breakthroughs are more likely to span across traditional disciplines.