

1. Record Nr.	UNISA996466251303316
Autore	Hernandez Daniel
Titolo	Qualitative Representation of Spatial Knowledge [[electronic resource] /] / by Daniel Hernandez
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1994
ISBN	3-540-48425-6
Edizione	[1st ed. 1994.]
Descrizione fisica	1 online resource (XII, 208 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 804
Disciplina	006.3/7
Soggetti	Computer simulation Artificial intelligence Computer-aided engineering Geographical information systems Simulation and Modeling Artificial Intelligence Computer-Aided Engineering (CAD, CAE) and Design Geographical Information Systems/Cartography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Qualitativeness -- A cognitive perspective on knowledge representation -- Qualitative representation of positions in 2-D -- Reasoning with qualitative representations -- Applications -- Extensions of the basic model -- Relevant related work -- Conclusion.
Sommario/riassunto	This book develops, for the first time, a qualitative model for the representation of spatial knowledge based only on locative relations between the objects involved. The core of this book is devoted to the study of qualitative inference methods that take into account the rich structure of space. These methods can be applied to quite a number of areas characterized by uncertain or incomplete knowledge, as for example geographic information systems, robot control, computer- aided architectural design, and natural language information systems.