

1. Record Nr.	UNINA9910959587403321
Autore	Steiner Mark
Titolo	The applicability of mathematics as a philosophical problem / / Mark Steiner
Pubbl/distr/stampa	Cambridge, MA, : Harvard University Press, 1998
ISBN	9780674043985 0674043987
Edizione	[1st ed.]
Descrizione fisica	1 online resource (viii,215p.) : ill
Classificazione	CC 3500
Disciplina	530.15
Soggetti	Mathematical physics Mathematics - Philosophy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references (p. [203]-209) and index.
Nota di contenuto	Frontmatter -- Contents -- Acknowledgments -- Introduction -- 1. The Semantic Applicability of Mathematics: Frege's Achievements -- 2. The Descriptive Applicability of Mathematics -- 3. Mathematics, Analogies, and Discovery in Physics -- 4. Pythagorean Analogies in Physics -- 5. Formalisms and Formalist Reasoning in Quantum Mechanics -- 6. Formalist Reasoning: The Mystery of Quantization -- Appendix A. A "Nonphysical" Derivation of Quantum Mechanics -- Appendix B. Nucleon-Pion Scattering -- Appendix C. Nonrelativistic Schroedinger Equation with Spin -- References -- Index
Sommario/riassunto	This text analyzes the different ways mathematics is applicable in the physical sciences, and presents a novel thesis - the success of mathematical physics appears to assign the human mind a special place in the cosmos.

2. Record Nr.	UNINA9910957871703321
Autore	Vetter Jeremy
Titolo	Knowing global environments : new historical perspectives on the field sciences / / edited by Jeremy Vetter
Pubbl/distr/stampa	New Brunswick, N.J., : Rutgers University Press, c2011
ISBN	1-283-36997-4 9786613369970 0-8135-5027-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (274 p.)
Collana	Studies in modern science, technology, and the environment
Altri autori (Persone)	VetterJeremy <1975->
Disciplina	507.2/3
Soggetti	Science - Fieldwork - History
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	From the oceans to the mountains : spatial science in an age of empire / Michael S. Reidy -- Emigrants and pioneers : Moritz Wagner's "law of migration" in context / Lynn K. Nyhart -- Negotiating the agricultural frontier in nineteenth-century southern Ohio archaeology / J. Conor Burns -- Managing monocultures : coffee, the coffee rust, and the science of working landscapes / Stuart McCook -- Rocky Mountain high science : teaching, research, and nature at field stations / Jeremy Vetter -- On the trail of the ivory-bill : field science, local knowledge, and the struggle to save endangered species / Mark V. Barrow Jr. -- Playing by and on and under the sea : the importance of play for knowing the ocean / Helen M. Rozwadowski -- Planetary-scale field work : Harry Wexler on the possibilities of ozone depletion and climate control / James Rodger Fleming -- History of field science : trends and prospects / Robert E. Kohler.
Sommario/riassunto	Knowing Global Environments brings together nine leading scholars whose work spans a variety of environmental and field sciences, including archaeology, agriculture, botany, climatology, ecology, evolutionary biology, oceanography, ornithology, and tidology. Collectively their essays explore the history of the field sciences, through the lens of place, practice, and the production of scientific knowledge, with a wide-ranging perspective extending outwards from

the local to regional, national, imperial, and global scales. The book also shows what the history of the field sciences can contribute to environmental history-especially how knowledge in the field sciences has intersected with changing environments-and addresses key present-day problems related to sustainability, such as global climate, biodiversity, oceans, and more. Contributors to *Knowing Global Environments* reveal how the field sciences have interacted with practical economic activities, such as forestry, agriculture, and tourism, as well as how the public has been involved in the field sciences, as field assistants, students, and local collaborators.
