1. Record Nr. UNISOBE600200015647

Autore	Cassini, Arnaldo
Titolo	Le basi fisiologiche dei processi motivazionali ed emotivi / Arnaldo Cassini ; Anna Dellantonio
Pubbl/distr/stampa	Bologna, : il Mulino, 1982
Descrizione fisica	306 p. : ill. ; 22 cm
Collana	<La >nuova scienza . Istituzioni di Psicologia
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910456916403321

Autore	Dear Peter <1958->
Titolo	Discipline & experience [[electronic resource]] : the mathematical way in the scientific revolution / / Peter Dear
Pubbl/distr/stampa	Chicago, : University of Chicago Press, 1995
ISBN	1-283-05816-2 9786613058164 0-226-13952-2
Descrizione fisica	1 online resource (306 p.)
Collana	Science and its conceptual foundations
Classificazione	CC 3400
Disciplina	501
Soggetti	Mathematics - Europe - History - 17th century Science - Europe - History - 17th century Electronic books.
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 (p. 251-279) and index.
Nota di contenuto	Frontmatter -- CONTENTS -- FIGURES -- ACKNOWLEDGMENTS -- NOTE ON CITATIONS AND TRANSLATIONS -- INTRODUCTION: THE MEASURE OF ALL THINGS -- 1. INDUCTION IN EARLYMODERN EUROPE

-- 2. EXPERIENCE AND JESUIT MATHEMATICAL SCIENCE: THE PRACTICAL IMPORTANCE OF METHODOLOGY -- 3. EXPERTISE, NOVEL CLAIMS, AND EXPERIMENTAL EVENTS -- 4. APOSTOLIC SUCCESSION, ASTRONOMICAL KNOWLEDGE, AND SCIENTIFIC TRADITIONS -- 5. THE USES OF EXPERIENCE -- 6.ART, NATURE, METAPHOR; THE GROWTH OF PHYSICOMATHEMATICS -- 7. PASCAL'S VOID, NATURAL PHILOSOPHERS, AND MATHEMATICAL EXPERIENCE -- 8. BARROW, NEWTON, AND CONSTRUCTIVIST EXPERIMENT -- CONCLUSION: A MATHEMATICAL NATURAL PHILOSOPHY? -- BIBLIOGRAPHY -- INDEX

Sommario/riassunto

Although the Scientific Revolution has long been regarded as the beginning of modern science, there has been little consensus about its true character. While the application of mathematics to the study of the natural world has always been recognized as an important factor, the role of experiment has been less clearly understood. Peter Dear investigates the nature of the change that occurred during this period, focusing particular attention on evolving notions of experience and how these developed into the experimental work that is at the center of modern science. He examines seventeenth-century mathematical sciences-astronomy, optics, and mechanics-not as abstract ideas, but as vital enterprises that involved practices related to both experience and experiment. Dear illuminates how mathematicians and natural philosophers of the period-Mersenne, Descartes, Pascal, Barrow, Newton, Boyle, and the Jesuits-used experience in their argumentation, and how and why these approaches changed over the course of a century. Drawing on mathematical texts and works of natural philosophy from all over Europe, he describes a process of change that was gradual, halting, sometimes contradictory-far from the sharp break with intellectual tradition implied by the term "revolution."