

1. Record Nr.	UNINA9910825543703321
Titolo	From science to computational sciences : studies in the history of computing and its influence on today's sciences // Gabriele Gramelsberger (ed.)
Pubbl/distr/stampa	Zurich : , : Diaphanes, , [2011] ©2011
ISBN	3-03734-346-X
Edizione	[1. Auflage.]
Descrizione fisica	1 online resource (235 p.)
Collana	Qu
Disciplina	004.10923478
Soggetti	Computer science - History Computer science - Mathematics - History Computer simulation - History Interactive computer systems - History Electronic data processing - History Science - Data processing - 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.
Nota di contenuto	Cover; Table of Contents; I. INTRODUCTION; A Brief Introduction to the Volume / Gabriele Gramelsberger; From Science to Computational Sciences: A Science History and Philosophy Overview / Gabriele Gramelsberger; II. ORIGINS OF SIMULATION AND RATIONAL PROGNOSIS; Roots and Media of Computational Power: Some Remarks on the Genesis and Genius of Quantification in Early European Modernity / Sybille Kramer; The Early Progress of Scientific Simulation / David Alan Grier; Mimetic Experiments before the Invention of the Computer / Thomas Brandstetter Computer Simulation in the V2 Rocket Development / Thomas Lange Computer Simulations and the Trading Zone / Peter Galison; From Computation with Experiments to Experiments on Computation / Gabriele Gramelsberger; III. REVERSE ENGINEERING OF NATURE BY NUMBERS; Towards A Definition of Simulation / David Alan Grier; Simulation as a New Style of Research: Iteration, Integration, and Instability / Sergio Sismondo; Artificial, False, and Performing Well /

Johannes Lenhard

Explanatory and Predictive Functions of Simulation Modelling Case:

Haemophilus Influenzae Type b Dynamic Transmission Models / Erika

MansnerusResearch Technology, the Computer, and Scientific Advance

/ Renate Mayntz; Shaping Reality with Algorithms: The Earth System /

Johann Feichter; Uncertainty in Grammar / The Grammar of Uncertainty:

Some Remarks on the Future Perfect / Peter Bexte; IV. APPENDIX;

Authors
