Record Nr. UNINA9910811639503321 Autore Krieger Martin H Titolo Doing physics: how physicists take hold of the world // Martin H. Krieger Pubbl/distr/stampa Bloomington, : Indiana University Press, c2012 **ISBN** 1-283-62986-0 0-253-00608-2 9786613942319 Edizione [2nd ed.] Descrizione fisica 1 online resource (248 p.) Disciplina 530.092/2 Soggetti Ethnology **Physicists** Physics - Methodology Physics - Philosophy Science - Social aspects Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Description based upon print version of record. Note generali Nota di bibliografia Includes bibliographical references and index. Cover; DOING PHYSICS; Title; Copyright; Dedication; Contents; Nota di contenuto PREFACE: 1 THE DIVISION OF LABOR: THE FACTORY: 2 TAKING APART AND PUTTING TOGETHER: THE CLOCKWORKS, THE CALCULUS, AND THE COMPUTER; 3 FREEDOM AND NECESSITY: FAMILY AND KINSHIP; 4 THE VACUUM AND THE CREATION: SETTING A STAGE: 5 HANDLES. PROBES. AND TOOLS: A RHETORIC OF NATURE; 6 PRODUCTION MACHINERY: MATHEMATICS FOR ANALYSIS AND DESCRIPTION; 7 AN EPITOME; NOTES: INDEX Sommario/riassunto Doing Physics makes concepts of physics easier to grasp by relating them to everyday knowledge. Addressing some of the models and metaphors that physicists use to explain the physical world, Martin H. Krieger describes the conceptual world of physics by means of analogies to economics, anthropology, theater, carpentry, mechanisms such as clockworks, and machine tool design. The interaction of elementary particles or chemical species, for example, can be related to the theory of kinship-who can marry whom is like what can interact

with what. Likewise, the description of physical situations i