Record Nr. UNINA9910780015903321 Autore Freudenthal Hans <1905-1990.> Titolo Didactical phenomenology of mathematical structures [[electronic resource] /] / Hans Freudenthal Boston, : Kluwer Academic, 1983 Pubbl/distr/stampa **ISBN** 1-280-20782-5 9786610207824 0-306-47235-X Edizione [1st ed. 2002.] Descrizione fisica 1 online resource (607 p.) Mathematics Education Library, , 0924-4921; ; 1 Collana 370 Disciplina Soggetti Mathematics - Study and teaching Mathematics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto As an Example: Length -- The Method -- Sets -- Natural Numbers --Fractions -- Ratio and Proportionality -- Structures: In Particular, Geometrical Structures -- Putting into Geometrical Contexts --Topology as a Geometrical Context -- The Topographical Context --Figures and Configurations -- Geometrical Mappings -- Measuring by means of Geometry -- Topography with Geometry -- Negative Numbers and Directed Magnitudes -- The Algebraic Language --Functions. Sommario/riassunto The launch of a new book series is always a challenging eventn of only for the Editorial Board and the Publisher, but also, and more particularly, for the first author. Both the Editorial Board and the Publisher are delightedt hat the first author in this series isw ell able to meet the challenge. Professor Freudenthal needs no introduction toanyone in the Mathematics Education field and it is particularly fitting that his book should be the first in this new series because it was in 1968 that he, and Reidel, produced the first issue oft he journal Edu cational Studies in Mathematics. Breakingfresh ground is therefore nothing new to Professor Freudenthal and this book illustrates well his pleasure at such a task. To be strictly correct the 'ground' which he has

broken here is not new, but aswith Mathematics as an Educational Task

and Weeding and Sowing, it is rather the novelty oft he manner in which he has carried out his analysis which provides us with so many fresh perspectives. It is our intention that this new book series should provide those who work int he emerging discipline of mathematicseducation with an essential resource, and at a time of considerable concern about the whole mathematics cu rriculum this book represents just such resource. ALAN J. BISHOP Managing Editor vii A LOOK BACKWARD AND A LOOK FORWARD Men die, systems last.