1. Record Nr. UNINA9910963727903321 Autore Polya George Titolo Mathematical methods in science / / by George Polya; edited by Leon Bowden Washington, DC,: Mathematical Association of America, 1977 Pubbl/distr/stampa **ISBN** 0-88385-941-6 Edizione [1st ed.] Descrizione fisica 1 online resource (xi, 234 pages) : digital, PDF file(s) Collana Anneli Lax New Mathematical Library;; 26 Altri autori (Persone) BowdenLeon 530.1/5 Disciplina Soggetti Mathematics Science - Mathematics Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Title from publisher's bibliographic system (viewed on 02 Oct 2015). Note generali Nota di contenuto 1. From the history of astronomy: measurement and successive approximation. -- Measurement; Astronomical measurements; Successive approximation; Newton's method of successive approximation -- 2. From the history of statics. -- Stevinus and Archimedes; Vectors -- 3. From the history of dynamics. -- Galileo; Newton; The pendulum; Escape velocity -- 4. Physical reasoning in mathematics. -- 5. Differential equations and their use in science. --First examples; Approximate formulae: power series; Physical analogy ; What is a differential equation? Sommario/riassunto If you have ever wondered how the laws of nature were worked out mathematically, this is the book for you. Above all, it captures some of Polya's excitement and vision.