1. Record Nr.   UNINA9910465724803321

   Titolo   An Introduction to inequalities [[electronic resource] /] / by Edwin
                       Beckenbach, Richard Bellman

   Pubbl/distr/stampa Washington, D.C., : Mathematical Association of America, 1961

   ISBN   0-88385-921-1

   Descrizione fisica 1 online resource (144 p.)

   Collana   Anneli Lax New Mathematical Library ; ; no. 3

   Altri autori (Persone) BeckenbachEdwin F
                           BellmanRichard

   Disciplina   512

   Soggetti   Inequalities (Mathematics)
                       Processes, Infinite
                       Electronic books.

   Lingua di pubblicazione Inglese

   Formato   Materiale a stampa

   Livello bibliografico Monografia

   Note generali   Includes index.

   Nota di contenuto   ""Front Cover""; ""An Introduction to Inequalities""; ""Copyright Page"";
                       ""CONTENTS""; ""Note to the Reader""; ""Preface""; ""Chapter 1.
                       Fundamentals""; ""Chapter 2. Tools""; ""Chapter 3. Absolute Value"";
                       ""Chapter 4. The Classical Inequalities""; ""Chapter 5. Maximization and
                       Minimization Problems""; ""Chapter 6. Properties of Distance"";
                       ""Symbols""; ""Answers to Exercises""; ""Index""

   Sommario/riassunto Most people, when they think of mathematics, think first of numbers
                       and equations-the number (x)=that number (y). But professional
                       mathematicians, in dealing with quantities that can be ordered
                       according to their size, often are more interested in unequal
                       magnitudes that are equal. This book provides an introduction to the
                       fascinating world of inequalities beginning with a systematic discussion
                       of the relation 'greater than' and the meaning of 'absolute values' of
                       numbers, and ending with descriptions of some unusual geometries. In
                       the course of the book, the reader will encounter some of the more
                       famous inequalities in mathematics.   Starting with the basic order
                       properties of real numbers, this book carries the reader through the
                       classical inequalities of Cauchy, Minkowsky and Horder with many
                       variants and applications. The concluding chapter points the way to
                       other metrics in the plane and the interrelations between geometry