Record Nr. UNINA9910999673203321 Autore Sebe Gabriela Ileana **Titolo** Metrical and Ergodic Theory of Continued Fraction Algorithms / / by Gabriela Ileana Sebe, Dan Lascu Cham:,: Springer Nature Switzerland:,: Imprint: Birkhäuser,, 2025 Pubbl/distr/stampa **ISBN** 3-031-86634-7 Edizione [1st ed. 2025.] Descrizione fisica 1 online resource (XII, 140 p. 4 illus., 3 illus. in color.) Collana Frontiers in Mathematics, , 1660-8054 Disciplina 515.39 Soggetti **Dynamics** Measure theory Stochastic processes Markov processes Number theory **Dynamical Systems** Measure and Integration Stochastic Processes Markov Process Number Theory Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia - 1. Introduction -- 2. -Continued Fraction Expansions -- 3. N-Nota di contenuto Continued Fractions -- 4. Generalized Rényi Continued Fractions -- 5. Comparing the Efficiency of Different Continued Fraction Algorithms. This monograph presents the work of the authors in metrical theory of Sommario/riassunto continued fractions in the last two decades. The monograph cuts a particular path through this extensive theory and describes the theory in its current form for three families of continued fractions, namely, continued fractions, N-continued fractions, and generalized Rényi continued fractions. The book systematically lays out the required preliminaries, making the book easy to read. This monograph provides a solid introduction into the theory of continued fractions. The book is intended for researchers in metrical theory, as well as advanced graduate students and mathematicians interested in this field.