

**Beardon, Alan F.**

**Iteration of rational functions. Complex analytic dynamical systems. Paperback ed. (English)**

[Zbl 1120.30300](#)

[Graduate Texts in Mathematics](#) 132. New York, NY: Springer (ISBN 0-387-95151-2/pbk). xiii, 280 p. (2000).

See the review of the first edition (1991) in [Zbl 0742.30002](#).

**MSC:**

- [30-02](#) Research exposition (monographs, survey articles) pertaining to functions of a complex variable
- [30D05](#) Functional equations in the complex plane, iteration and composition of analytic functions of one complex variable
- [30-01](#) Introductory exposition (textbooks, tutorial papers, etc.) pertaining to functions of a complex variable
- [37Fxx](#) Dynamical systems over complex numbers
- [26C15](#) Real rational functions

Cited in **16** Documents

**Keywords:**

normal family; invariant set; iteration theory; rational functions; Julia sets; Fatou set; periodic points; fixed points; Hausdorff dimension