

**Mathar, Richard J.**

**Chebyshev series expansion of inverse polynomials.** (English) Zbl 1098.33006  
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Chebyshev expansions of inverse polynomials are considered in this paper. Among other results, recurrence relations of the expansion coefficients are given and approximation by the truncated Chebyshev series are studied.

Reviewer: [Martin D. Buhmann \(Gießen\)](#)

**MSC:**

- [33C45](#) Orthogonal polynomials and functions of hypergeometric type (Jacobi, Laguerre, Hermite, Askey scheme, etc.) Cited in 4 Documents
- [65D15](#) Algorithms for approximation of functions
- [42C20](#) Other transformations of harmonic type
- [41A50](#) Best approximation, Chebyshev systems
- [41A10](#) Approximation by polynomials

**Keywords:**

[Chebyshev series](#); [orthogonal polynomials](#)

**Software:**

[MISCFUN](#)

**Full Text:** [DOI](#) [arXiv](#)

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