

**Stojanova, Milenad P.**

**Equiconvergence in rational approximation of meromorphic functions.** (English)

Zbl 0677.41003

Constructive Approximation 4, No. 4, 435-445 (1988).

The result of *E. B. Saff*, *A. Sharma* and *R. S. Varga* [RAIRO, Anal. Numér. 15, 371-390 (1981; Zbl 0485.41003)] is extended in the same manner as the theorem of *A. S. Cavaretta*, *A. Sharma* and *R. S. Varga* [Result. Math. 3, 155-191 (1981; Zbl 0447.30020)] generalizes Walsh's theorem on equiconvergence. The rate of equiconvergence of rational interpolants in the roots of unity and of the introduced rational interpolants coincides with one from Cavaretta's, Sharma's and Varga's theorem. The correctness of the definition of the introduced rational interpolants for a class of meromorphic functions is proved.

Reviewer: A.Lukashov

**MSC:**

41A05 Interpolation in approximation theory

41A21 Padé approximation

41A20 Approximation by rational functions

Cited in 1 Document

**Keywords:**

equiconvergence; rational interpolants; meromorphic functions

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**References:**

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