

Karan, Bhuwan M.; Srivastava, Mahesh C.

A new multidimensional rational approximant. (English) Zbl 0686.41015

J. Indian Inst. Sci. 67, No. 9-10, 351-360 (1987).

The authors propose a rational approximation procedure in several variables based on interpolation to a selection of Taylor coefficients. They argue the superiority of their selection over others that can be found in the literature and give an example of a two-dimensional filter (rational function calculated from part of a desired impulse response).

Reviewer: [J.Karlsson](#)

MSC:

[41A21](#) Padé approximation

[41A20](#) Approximation by rational functions

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Keywords:

[Taylor coefficients](#); [two-dimensional filter](#)