

Wendland, Holger

Local polynomial reproduction and moving least squares approximation. (English)

Zbl 0976.65013

IMA J. Numer. Anal. 21, No. 1, 285-300 (2001).

The author proves a result which allows to bound the Lebesgue constants. The result is used to establish error estimates for the moving least squares approximation scheme. A numerical treatment of the method is also discussed.

Reviewer: Costică Moroşanu (Iaşi)

MSC:

65D15 Algorithms for approximation of functions

Cited in **1** Review
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Keywords:

local polynomial reproduction; Lebesgue constants; error estimates; moving least squares approximation

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