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Pointwise Simultaneous Approximation by Combinations of Baskakov Operators

谢林森，Zhong Rui SHI

上海大学数学系

摘要
关键词   Baskakov operator   combination   simultaneous approximation   modulus of smoothness

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Pointwise Simultaneous Approximation by Combinations of Baskakov Operators

Lin Sen XIE, Zhong Rui SHI

Department of Mathematics, Shanghai University, Shanghai 200444, P. R.China

Abstract In this paper, we investigate the relation between the rate of convergence for the derivatives of the combinations of Baskakov operators and the smoothness for the derivatives of the functions approximated. We give some direct and inverse results on pointwise simultaneous approximation by the combinations of Baskakov operators. We also give a new equivalent result on pointwise approximation by these operators.

Key words   Baskakov operator   combination   simultaneous approximation   modulus of smoothness

通讯作者 谢林森 linsenxie@tom.com

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