

Baskakov算子线性组合加Jacobi权逼近及高阶导数的正逆定理

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摘要 利用加权光滑模 $\omega_{\varphi^{\lambda}}^r(f, t)_{\omega}$ 给出了Baskakov算子的线性组合加Jacobi权逼近的正逆定理;另外,研究了加Jacobi权下Baskakov算子的高阶导数与所逼近函数光滑性之间的关系.

关键词 [Baskakov算子线性组合](#), [Jacobi权](#), [加权光滑模](#).

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Direct and Inverse Approximation Theorems with Jacobi Weight for Combinations and Higher Derivatives of Baskakov Operators

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Abstract Using the modulus of smoothness $\omega_{\varphi^{\lambda}}^r(f, t)_{\omega}$, direct and inverse approximation theorems with Jacobi weight for combinations of Baskakov operators is established in the paper, and the relation between higher derivatives of the operators and the smoothness of functions to be approximated is obtained in the paper.

Key words [Combinations of Baskakov operators](#), [Jacobi weight](#), [modulus of smoothness with weight](#).

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