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Optimized Local Trigonometric Bases with Nonuniform Partitions

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摘要   The authors provide optimized local trigonometric bases with nonuniform partitions which efficiently compress trigonometric functions. Numerical examples demonstrate that in many cases the proposed bases provide better compression than the optimized bases with uniform partitions obtained by Matviyenko.

关键词   Optimized local trigonometric bases   Bell functions   Nonuniform partitions

分类号   42C15

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Abstract The authors provide optimized local trigonometric bases with nonuniform partitions which efficiently compress trigonometric functions. Numerical examples demonstrate that in many cases the proposed bases provide better compression than the optimized bases with uniform partitions obtained by Matviyenko.

Key words   Optimized local trigonometric bases   Bell functions   Nonuniform partitions

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