数学与系统科学研究院

计算数学所学术报告

(定期学术报告)

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报告题目:

Analytic Wavelet Based Image Representations and Its Applications

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下午4:00—5:00

<u>报告地点:</u>科技综合楼三层 311 计算数学所报告厅

Abstract:

The multi-dimensional analytic complex

wavelet analysis for the processing of digit images are introduced in this report.

The nD generalization of 1D analytic wavelet is presented and the relationship between instantaneous phase and image features is investigated. The construction of Hilbert transform pair, which is the kernel of analytic complex wavelet is considered. A new algorithm to construct DTCWT is proposed. DTCW filter banks with rationalcoefficients are obtained by choosing proper parameters. At last two applications of analytic wavelet are presented.

欢迎大家参加!