

UNIVERSITY OF MACAU
FACULTY OF SCIENCE AND TECHNOLOGY
DEPARTMENT of MATHEMATICS

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**“The M-band Cardinal Orthogonal Scaling
Function”**

by

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Date : 23/12/2009 (WEDNESDAY)
Time : 11:00 – 12:00
Venue : JM12

Abstract

The M-band symmetric cardinal orthogonal scaling function with compact support is of interest in several applications such as sampling theory, signal processing, computer graphics, and numerical algorithms. In this talk, we provide a complete mathematical analysis for the M-band symmetric cardinal orthogonal scaling function. Firstly, some results of the cardinal orthogonal scaling function are obtained. Secondly, the characterizations of the M-band symmetric cardinal orthogonal scaling function are established. Finally, some examples are presented to show our results

ALL ARE WELCOME!