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# ON THE CONSTRUCTIONS OFPRE-WAVELETS IN L_2(R~s)

陈迪荣

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摘要　　Given a multiresolution analysis of multidimension, we construct pre-wavelets and a Rieszwavelet basis under some assumptions on the scale function. Example are provided.

关键词　　Multiresolution analysis, pre

分类号

## ON THE CONSTRUCTIONS OF PRE-WAVELETS IN L_2(R~s)

CHEN DIRONG

Department Of Applied Mathematics, Beijing University of Aeronauticsand Astronautics, Beijing 100083, China

**Abstract** Given a multiresolution analysis of multidimension, we construct pre-wavelets and a Rieszwavelet basis under some assumptions on the scale function. Example are provided.

**Key words**　Multiresolution analysis　pre-wavelet　Riesz wavelet basis

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