NAG Library Chapter Contents

c09 – Wavelet Transforms

c09 Chapter Introduction

Function Name	Mark of Introduction	Purpose
c09aac	9	nag_wfilt One-dimensional wavelet filter initialization
c09abc	23	nag_wfilt_2d Two-dimensional wavelet filter initialization
c09acc	24	nag_wfilt_3d Three-dimensional wavelet filter initialization
c09bac	23	nag_cwt_1d_real One-dimensional real continuous wavelet transform
c09cac	9	nag_dwt One-dimensional discrete wavelet transform
c09cbc	9	nag_idwt One-dimensional inverse discrete wavelet transform
c09ccc	9	nag_mldwt One-dimensional multi-level discrete wavelet transform
c09cdc	9	nag_imldwt One-dimensional inverse multi-level discrete wavelet transform
c09dac	24	nag_modwt One-dimensional maximal overlap discrete wavelet transform (MODWT)
c09dbc	24	nag_imodwt One-dimensional inverse maximal overlap discrete wavelet transform (IMODWT)
c09dcc	24	nag_mlmodwt One-dimensional multi-level maximal overlap discrete wavelet transform (MODWT)
c09ddc	24	nag_imlmodwt One-dimensional inverse multi-level maximal overlap discrete wavelet transform (IMODWT)
c09eac	23	nag_dwt_2d Two-dimensional discrete wavelet transform
c09ebc	23	nag_idwt_2d Two-dimensional inverse discrete wavelet transform
c09ecc	23	nag_mldwt_2d Two-dimensional multi-level discrete wavelet transform
c09edc	23	nag_imldwt_2d Two-dimensional inverse multi-level discrete wavelet transform
c09eyc	24	nag_wav_2d_coeff_ext Two-dimensional discrete wavelet transform coefficient extraction
c09ezc	24	nag_wav_2d_coeff_ins Two-dimensional discrete wavelet transform coefficient insertion
c09fac	24	nag_dwt_3d Three-dimensional discrete wavelet transform
c09fbc	24	nag_idwt_3d Three-dimensional inverse discrete wavelet transform
c09fcc	24	nag_mldwt_3d Three-dimensional multi-level discrete wavelet transform
c09fdc	24	nag_imldwt_3d Three-dimensional inverse multi-level discrete wavelet transform
c09fyc	24	nag_wav_3d_coeff_ext Three-dimensional discrete wavelet transform coefficient extraction