NAG Fortran Library Chapter Contents

D05 – Integral Equations

Note: please refer to the Users' Note for your implementation to check that a routine is available.

D05 Chapter Introduction

Routine Name	Mark of Introduction	Purpose
D05AAF	5	Linear non-singular Fredholm integral equation, second kind, split kernel
D05ABF	6	Linear non-singular Fredholm integral equation, second kind, smooth kernel
D05BAF	14	Nonlinear Volterra convolution equation, second kind
D05BDF	16	Nonlinear convolution Volterra–Abel equation, second kind, weakly singular
D05BEF	16	Nonlinear convolution Volterra–Abel equation, first kind, weakly singular
D05BWF	16	Generate weights for use in solving Volterra equations
D05BYF	16	Generate weights for use in solving weakly singular Abel-type equations