

## NAG Library Chapter Contents

### D05 – Integral Equations

D05 Chapter Introduction – a description of the Chapter and an overview of the algorithms available

<b>Routine Name</b>	<b>Mark of Introduction</b>	<b>Purpose</b>
D05AAF	5	nagf_inteq_fredholm2_split Linear nonsingular Fredholm integral equation, second kind, split kernel
D05ABF	6	nagf_inteq_fredholm2_smooth Linear nonsingular Fredholm integral equation, second kind, smooth kernel
D05BAF	14	nagf_inteq_volterra2 Nonlinear Volterra convolution equation, second kind
D05BDF	16	nagf_inteq_abel2_weak Nonlinear convolution Volterra–Abel equation, second kind, weakly singular
D05BEF	16	nagf_inteq_abel1_weak Nonlinear convolution Volterra–Abel equation, first kind, weakly singular
D05BWF	16	nagf_inteq_volterra_weights Generate weights for use in solving Volterra equations
D05BYF	16	nagf_inteq_abel_weak_weights Generate weights for use in solving weakly singular Abel-type equations

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