

## NAG Library Chapter Contents

### D05 – Integral Equations

D05 Chapter Introduction

| <b>Routine Name</b> | <b>Mark of Introduction</b> | <b>Purpose</b>                                                             |
|---------------------|-----------------------------|----------------------------------------------------------------------------|
| 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    |

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