

# NAG Fortran Library Chapter Contents

## D06 – Mesh Generation

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

### D06 Chapter Introduction

<b>Routine Name</b>	<b>Mark of Introduction</b>	<b>Purpose</b>
D06AAF	20	Generates a two-dimensional mesh using a simple incremental method
D06ABF	20	Generates a two-dimensional mesh using a Delaunay–Voronoi process
D06ACF	20	Generates a two-dimensional mesh using an Advancing-front method
D06BAF	20	Generates a boundary mesh
D06CAF	20	Uses a barycentering technique to smooth a given mesh
D06CBF	20	Generates a sparsity pattern of a Finite Element matrix associated with a given mesh
D06CCF	20	Renumbers a given mesh using Gibbs method
D06DAF	20	Generates a mesh resulting from an affine transformation of a given mesh
D06DBF	20	Joins together two given adjacent (possibly overlapping) meshes

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