

NAG Library Chapter Contents

D06 – Mesh Generation

D06 Chapter Introduction

Routine Name	Mark of Introduction	Purpose
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
