Case.fbm

**Case.fbm**

CAD model of desired geometry to test.

**Case.bpp**

File detailing the mesh spacing and curvature control settings.

**Case.ctl**

Mesh generator control file. The control files for the Surf3D process and the Mesh3D process are different control files

**Surf3D**

Surface meshing routine.

**Case.obac**

File detailing volume mesh spacing.

**Case.fro**

Surface mesh file.

**Mesh3D**

Volume meshing routine (viscous boundary layer meshes are grown at this stage).

**Case.plt**

Volume mesh file (Can be a hybrid mesh).

**Case.bco**

File containing surface boundary conditions.

**Case.wid**

File containing turbulence data.

**Rungen.inp**

Input file detailing pre - processing information (e.g. number of partitions).

**Gen3D**

Pre - processing routine. Mesh partitioning is done at this stage.

**Case.sol**

The mesh has been partitioned and stored in N files, each containing a partition of the mesh.

**Plotreg.reg**

File detailing a record of the mesh partitioning.

**Base.plt**

Complete mesh that has been converted to a tetrahedral mesh for post-process plotting.

**Case.inp**

Input file detailing flow solver settings.

**UnsMgnsg3D**

Solver routine.

**Case.rsd**

File containing solution residual, force coefficients and moment coefficients.

**Case.res**

N partitioned solution files.

**Makeplot**

Stitching routine that reassembles the completed solution using the information contained plotreg.reg.

**Base.unk**

Completed solution file

Case.bpp

Case.ctl

Surf3D

Case.fro

Case.obac

Case.ctl

Mesh3D

Case.plt

Case.bco

Case.wid

Rungen.inp

Gen3D

Case.sol\_1

Case.sol\_2

Case.sol\_3

…

Case.sol\_N

Base.plt

Plotreg.reg

Case.inp

UnsMgnsg3D3D

Case.rsd

Case.res\_1

Case.res\_2

Case.res\_3

…

Case.res\_N

Makeplot

**Note:**

N is the number of partitions.

Base.unk