

Gridgen 中的几何/网格输入输出格式

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简要: Gridgen 几乎支持所有的 CAD 软件(Iges、STL、Plot3D 等), 与 Fluent、CFX、Star-CD 等 CFD/CAE 软件有接口。

1.几何导入 (Geometry Import)

- CATIA V4*
- CATIA V5*
- Gridgen style wireframe
- Gridgen segments/points
- Gridgen composite
- Gridgen NMB**
- IGES
- NASTRAN (triangular facets)
- PATRAN
- PLOT3D wireframe
- Pro/E*
- STEP*
- STL (triangular facets)
- UG NX*
- VRML 1.0 (triangular facets)

2.几何输出 (Geometry Export)

- Gridgen style wireframe
- Gridgen segments/points
- Gridgen composite
- IGES
- PLOT3D wireframe

3.网格导入

- FIELDVIEW Unstructured
- Gridgen style structured grids
- NASTRAN
- PLOT3D structured grids
- STL
- VRML 1.0

4. 网格输出

- AVS
- FIELDVIEW Unstructured
- Gridgen style structured grids
- IGES
- NASTRAN
- PATRAN
- PLOT3D structured grids
- STL
- VRML 1.0
- XPATCH

5. CAE/CFD 网格格式输出

Gridgen 可以输出网格和求解条件（如边界条件）。主要支持如下：

- ADPAC
- ANSYS CFX (including version 4)
- CFDSHIP-IOWA
- CFD++
- CGNS
- CNSFV
- COBALT
- COMO
- CRUNCH
- DTNS
- Exodus II
- FALCON
- FANS
- FDNS/UNIC
- FIELDVIEW Boundary File
- FloWizard
- FLUENT and FLUENT V4
- GUST
- INCA V2 and V3
- NCC
- NPARC
- NSAERO
- OVERFLOW
- PHOENICS
- SCRYU and SCRYU/Tetra
- Splitflow

- STAR-CD
- TACOMA
- TASCflow
- TEAM
- TETREX
- VSAERO and VSAEROhybrid
- WIND and WIND-US