

CAD I/F , Mesh Generation

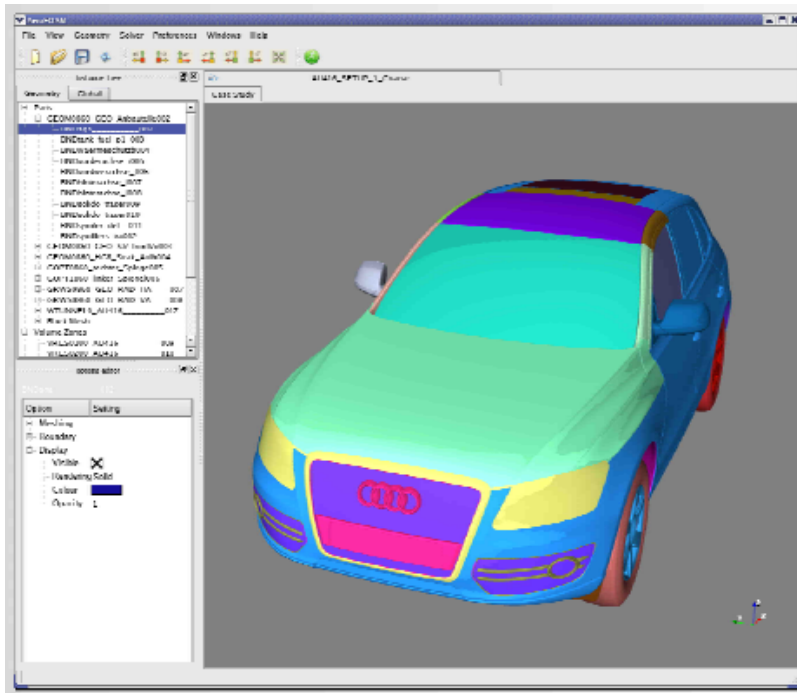
Commercial Licensed Mesher w/ OpenFOAM Direct I/F

- Pointwise¹⁾
- ANSA²⁾
- FOAMAP (FEAMAP + I/F)³⁾

Example: (Open Source CFD International Conference 2009⁴⁾)

“Application of OpenFOAM Technology for Vehicle Aerodynamics Development “⁵⁾

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- Customized GUI (by ICON ⁶⁾)

▶ Based on **snappyHexMesh** from official OpenFOAM[®] version release by OpenCFD

- ▶ Unstructured hexahedral meshes
- ▶ Local refinement
- ▶ Fully parallel operation

▶ Additional features **developed by Icon**

- ▶ Feature-line handling
- ▶ Cell-quality optimisation

▶ Post-processing using EnSight (data conversion with **foamToEnight** app.)

Reference

- 1) <http://www.vinas.com/jp/seihin/pointwise/index.html>
- 2) <http://www.beta-cae.gr/ansa.htm>
<http://www.top-cae.co.jp/index.html>
- 3) <http://www.cae-sc.com/products/foamap.html>
- 4) <http://www.opensourcecfd.com/conference2010/>
- 5) http://cfdcomputing.com/documents/openfoam_proceedings2009.htm
- 6) <http://www.iconcfd.com/>