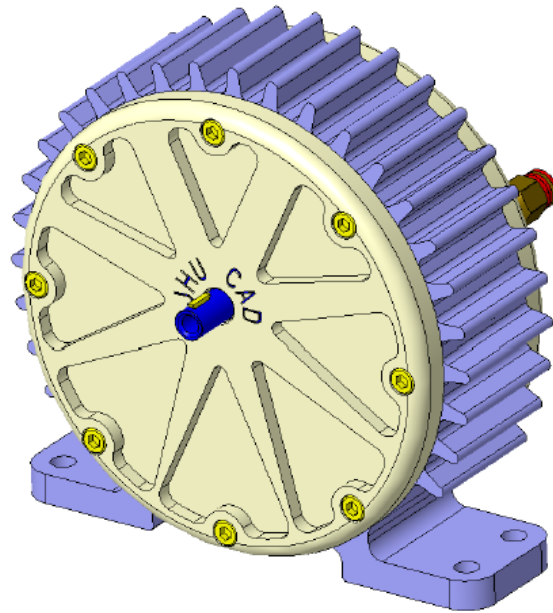


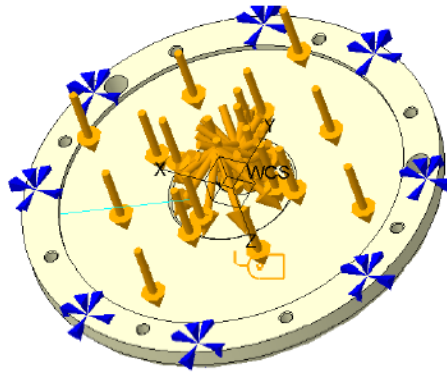
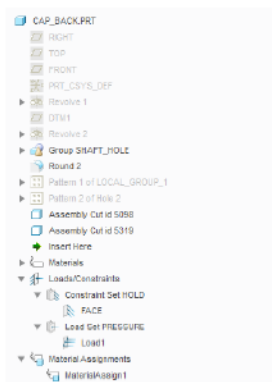
Offset Rotor Motor (Fibonacci motor) CAD and FEA

December 12th, 2014



FEA Analysis:

Assign an Aluminum material to the part. Define a **Displacement** constrain to fully lock the face of the part and apply a **pressure** load of 100PSI to the inner surfaces, as shown.



Create the AutoGEM mesh, define a **STATIC** analysis and run it. Display the results in fringe graphs of **vmStress** with a deformed shape, as shown below. Observe if the cap withstands this load. Export the results in an image file named `static.jpg`. Save and purge all files.

Stress (MPa)
Deformed
Scale 1.8725E+02
Loadset: PRESSURE : CAP_BACK

