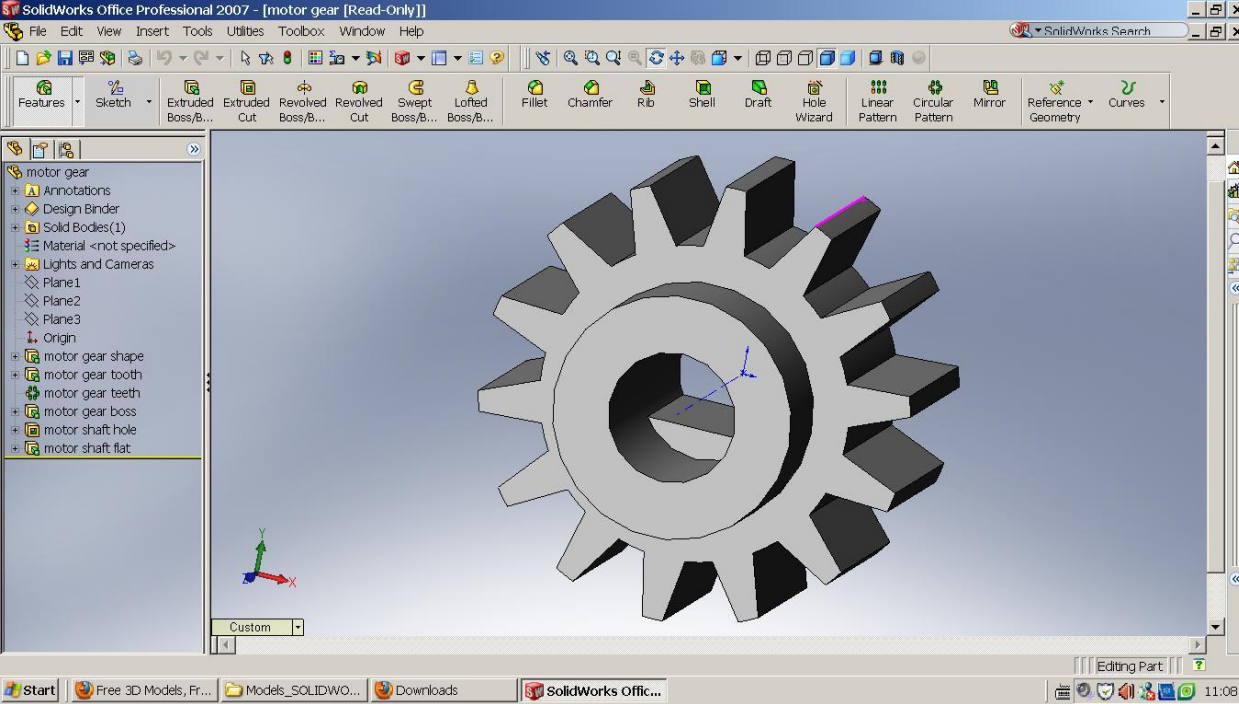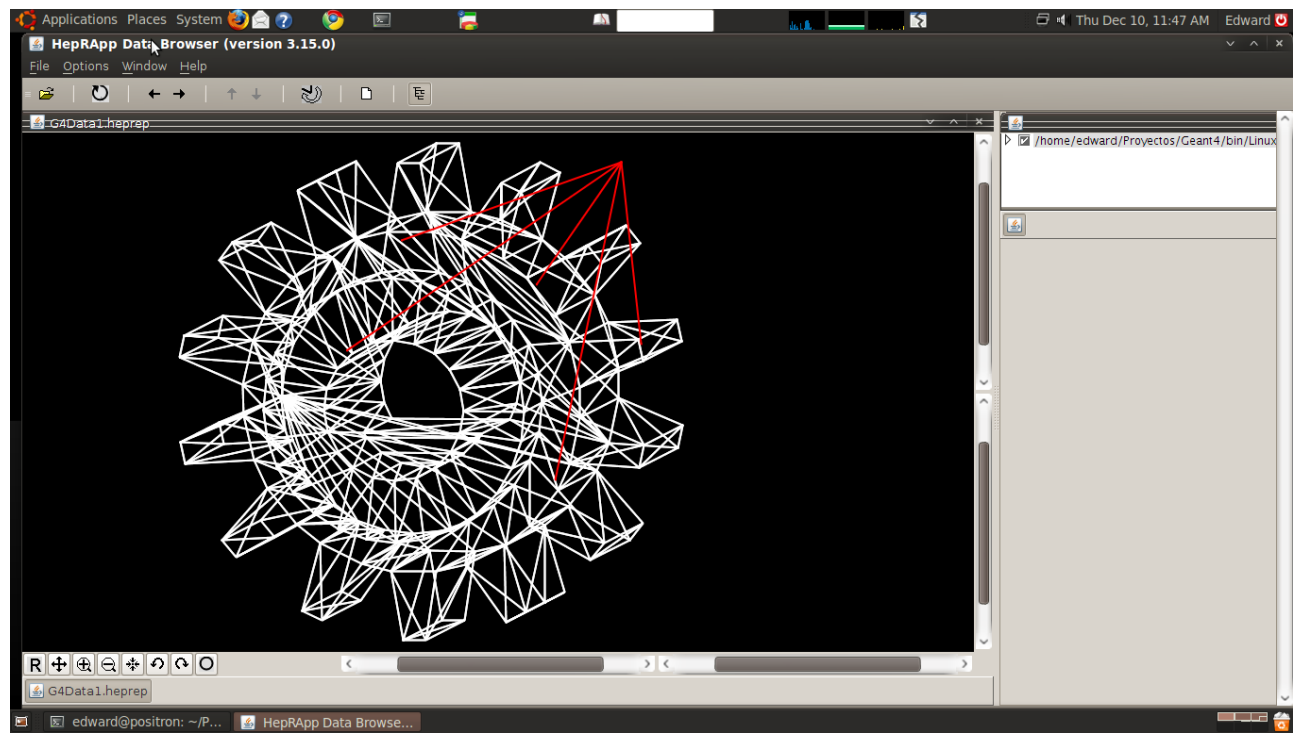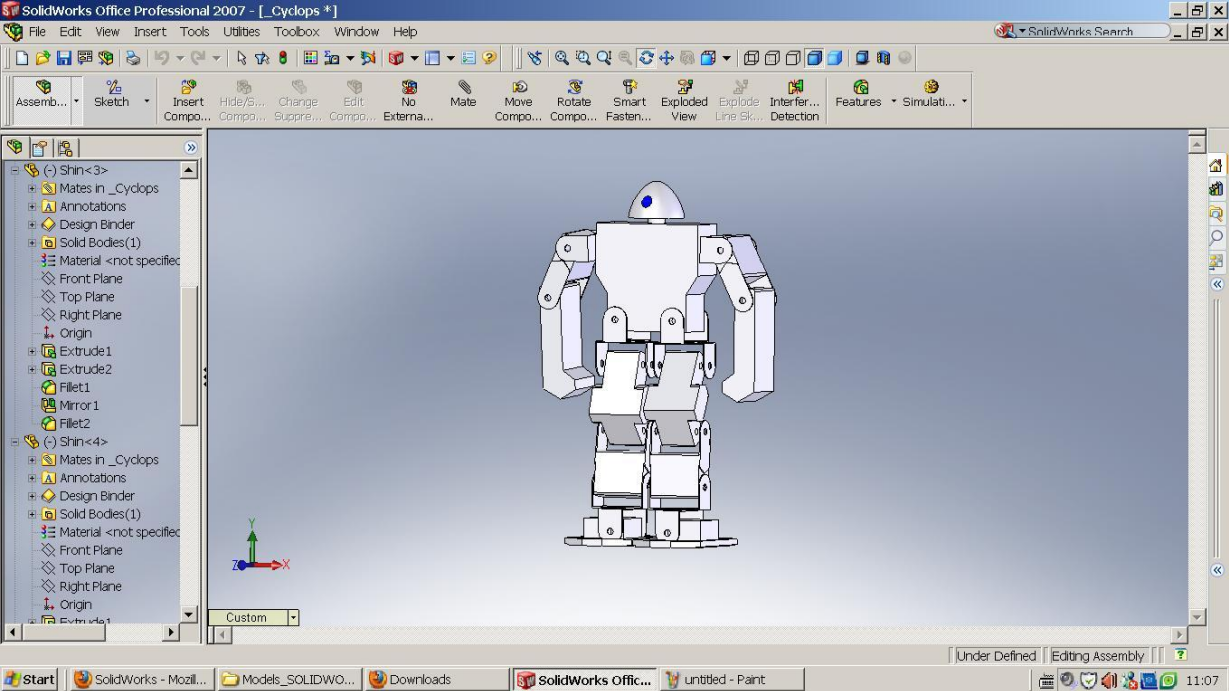# Geant4:
CAD importer

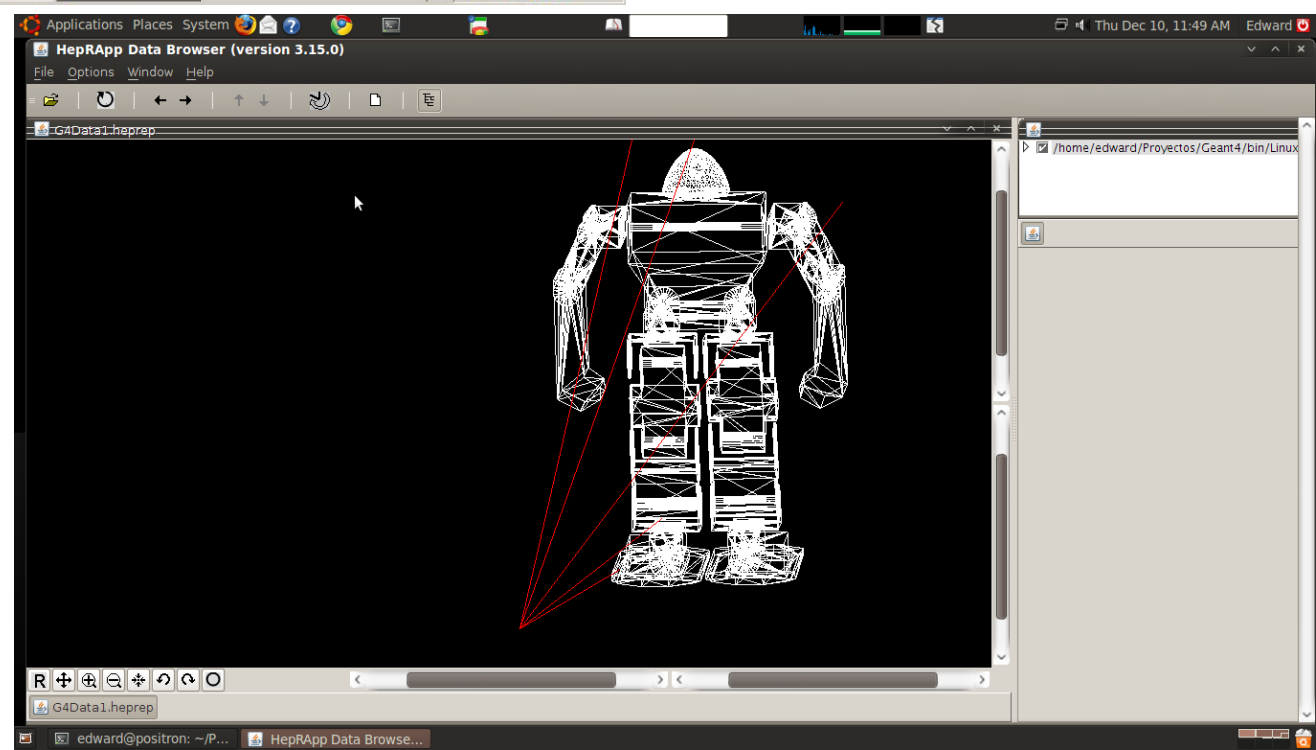SiLab UTFSM
December 2009
Edward Alvarado C.

+400 Sides
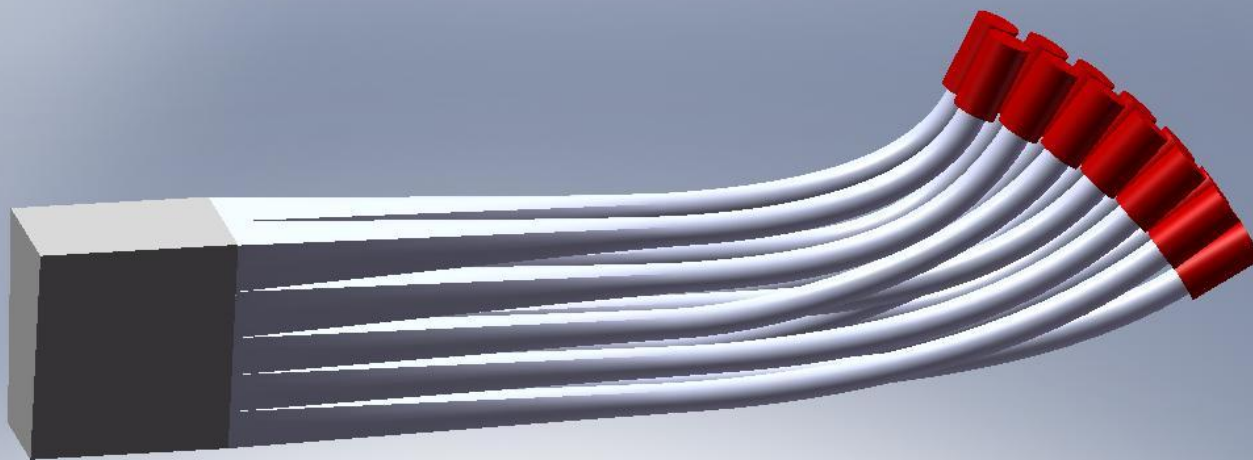Diameter : 12 [mm]
Tolerance: 0.01[mm]

+7000 Sides
height : 350 [mm]
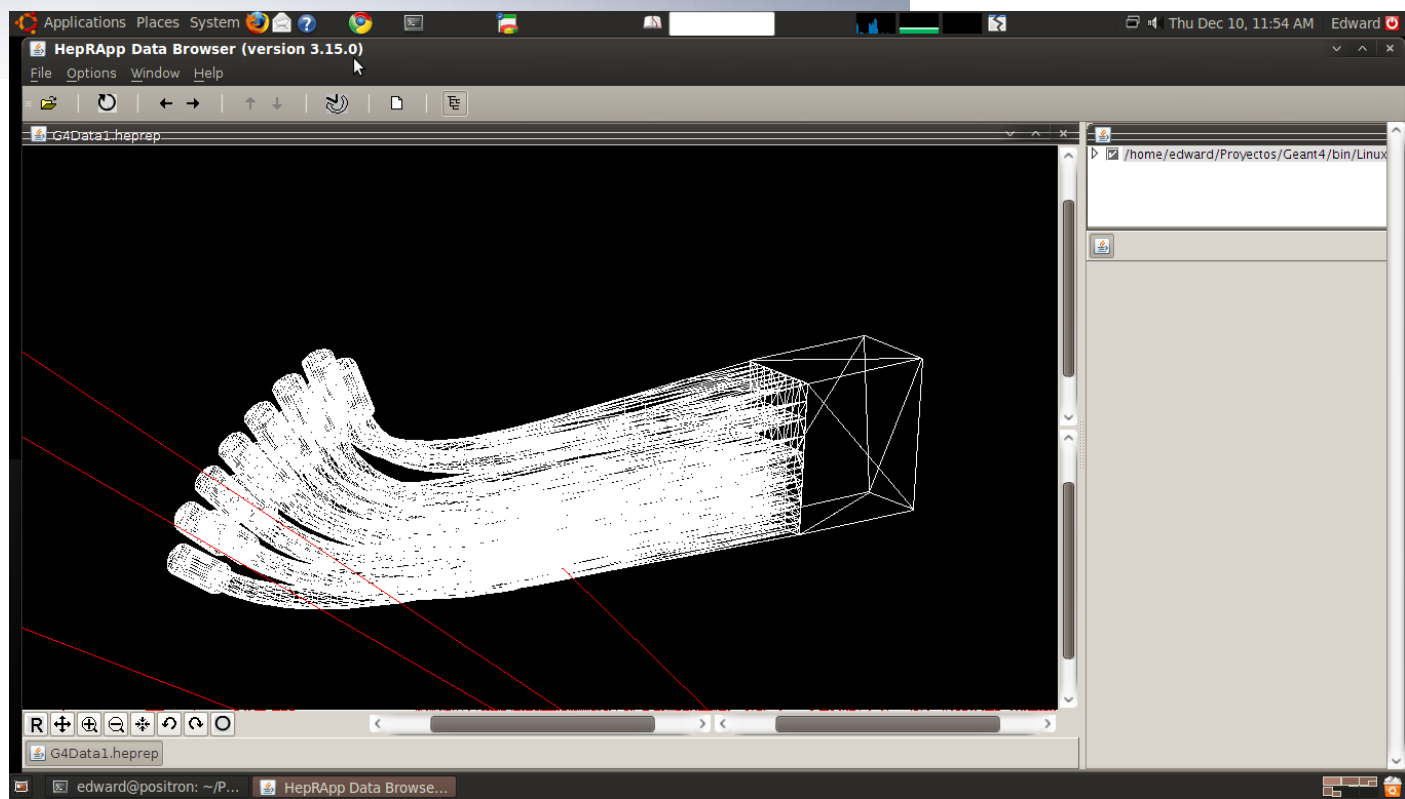Tolerance: 0.4 [mm]

+15000 Sides
Tolerance: 0.06 [mm]

+10000 Sides
Length : 1350 [mm]
Tolerance: 1.5[mm]

+115000 Sides
Length : 1350 [mm]
Tolerance: 0.1[mm]

3D-CAD importer using .stl files

- Very fast geometry prototyping
- No actual open source, freeware or commercial (*with a reasonable price*) available
- Easy and fast importing into Geant4
- Excellent for not-round shapes
- Variable tolerance for rounded shapes
- Many 3D CAD programs export as STL (Alibre, AutoCAD, I-DEAS, IronCAD, Mechanical Desktop, ProE, Rhino, SolidDesigner, SolidEdge, **SolidWorks**, Think3, Unigraphics, among others)