

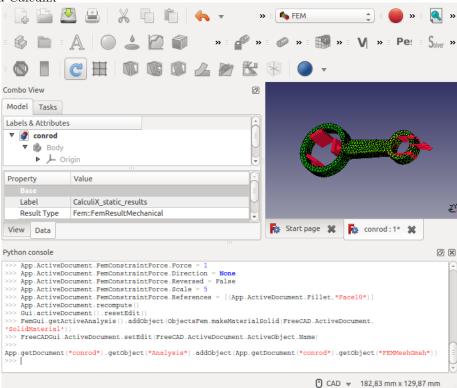
Freecad

Introduktion

- Rotera mitten och vänster musknapp
- Workbenches styr vilka knappar som finns tillgängliga
- Dokumentation

Vad kan Freecad

- Importera/exportera stl, step, iges...
- Skapa parametriserade geometrier
- Mäta
- Lättare FEM mha Calculix



- Python gränssnitt
- Batch-körningar freecadcmd-daily hello.py hello!

Vad kan inte Freecad

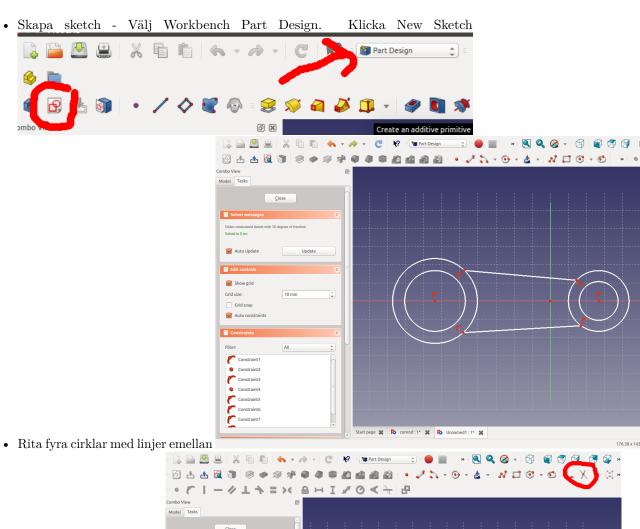
- Importera Catia-filer
- Assemblera





Övning

Part Design

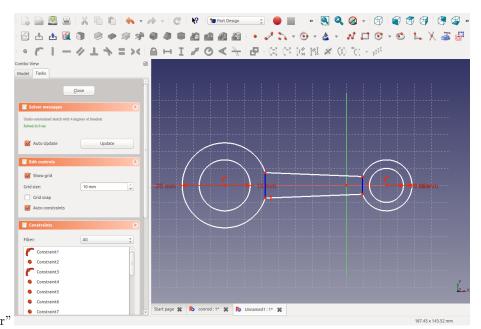


• Trimma de yttre cirklarna

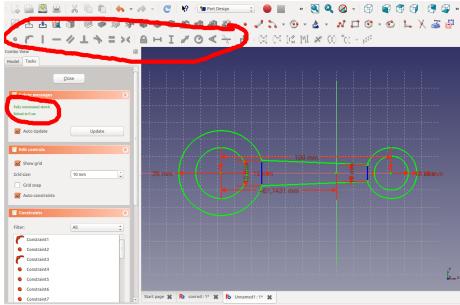
Edit c

Constraint1
Constraint2 Constraint3
Constraint4

150 9001

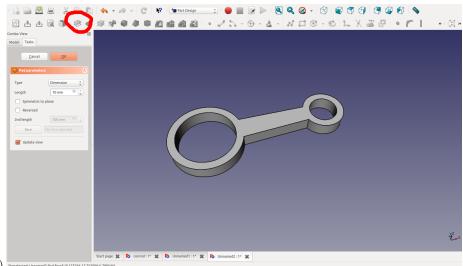


• Inför "hjälplinjer"



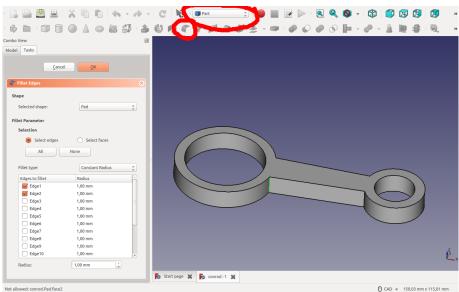
• Sätt constraints





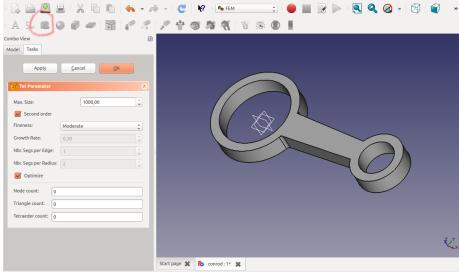
• Extrudera (Pad)

Part

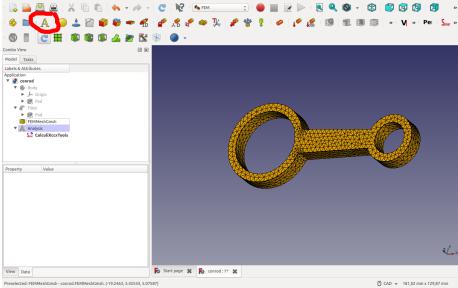


• Fillet Not allowed: conrod.Pad.Face2
###FEM



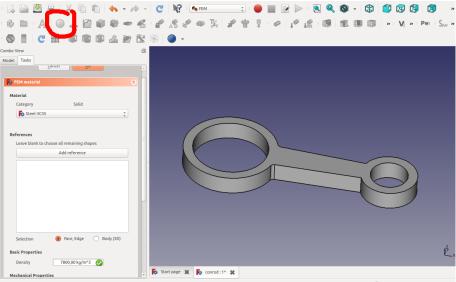


• Ny mesh

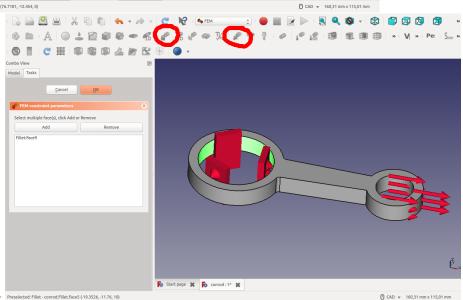


• Ny Analys



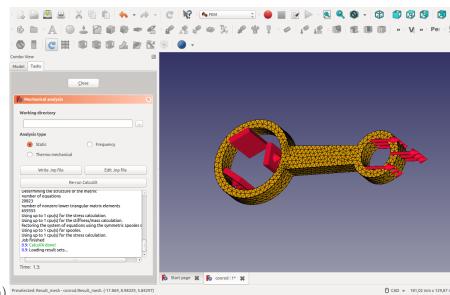


Material Preselected: Fillet - conro



Create FEM constraint Preselected: Fillet - conrod.Fillet.Faces (-19.3526, -11.76, 10)





• Lös (flytta meshen till analysen) Preselected: Result, mesh - conrod Result, mesh (-17.869, 8.98329, 5.84297)

