

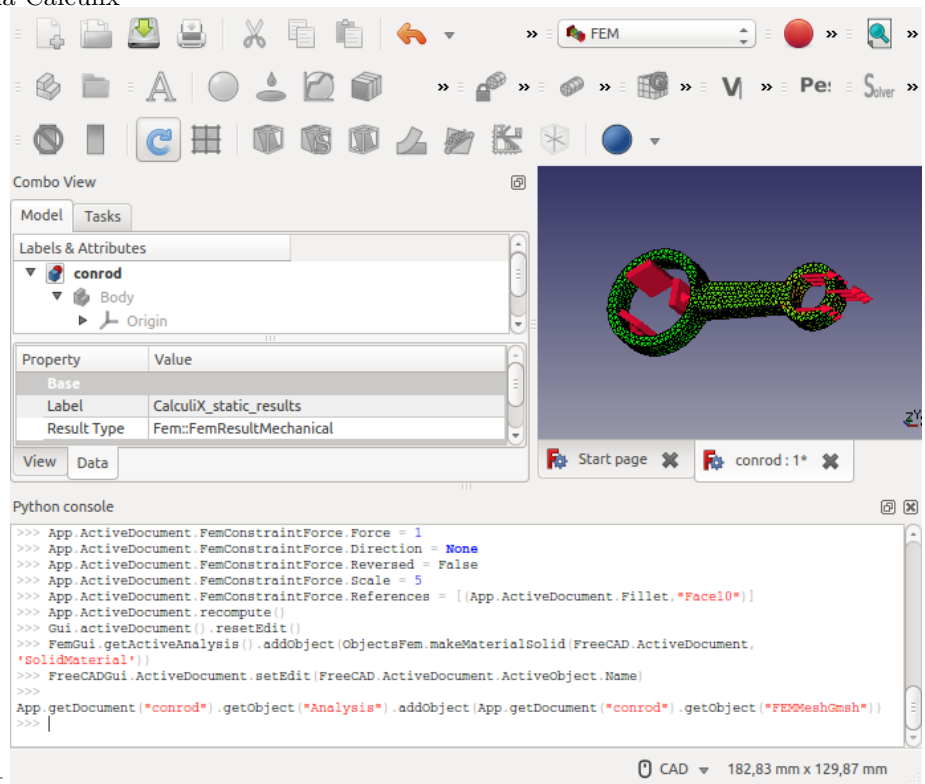
Freecad

Introduktion

- Roterar - 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!

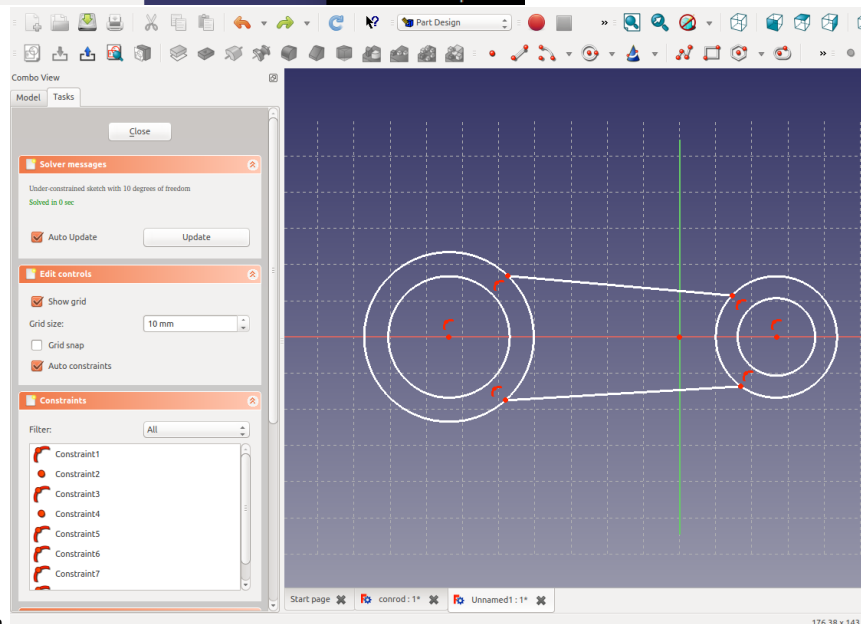
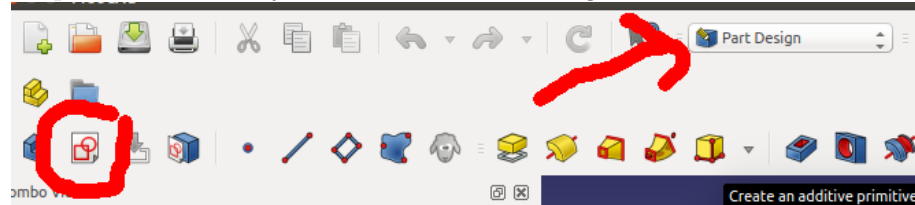
Vad kan inte Freecad

- Importera Catia-filer
- Assemblera

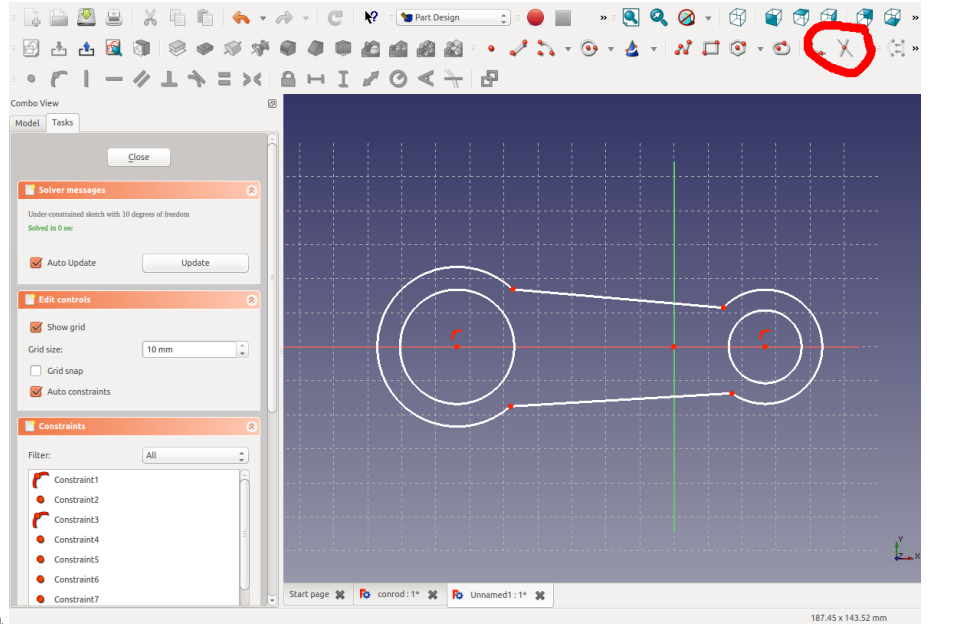
Övning

Part Design

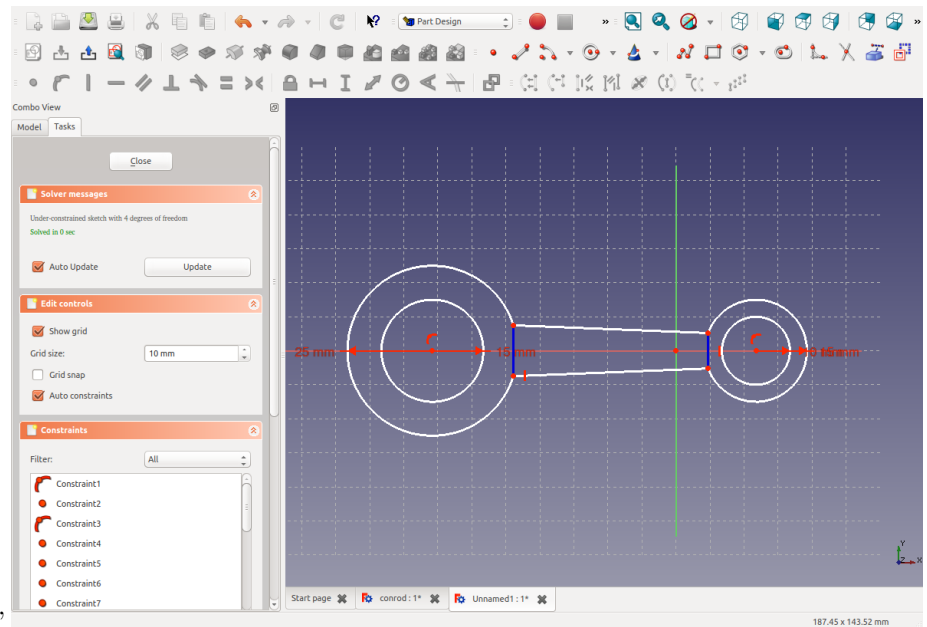
- Skapa sketch - Välj Workbench Part Design. Klicka New Sketch



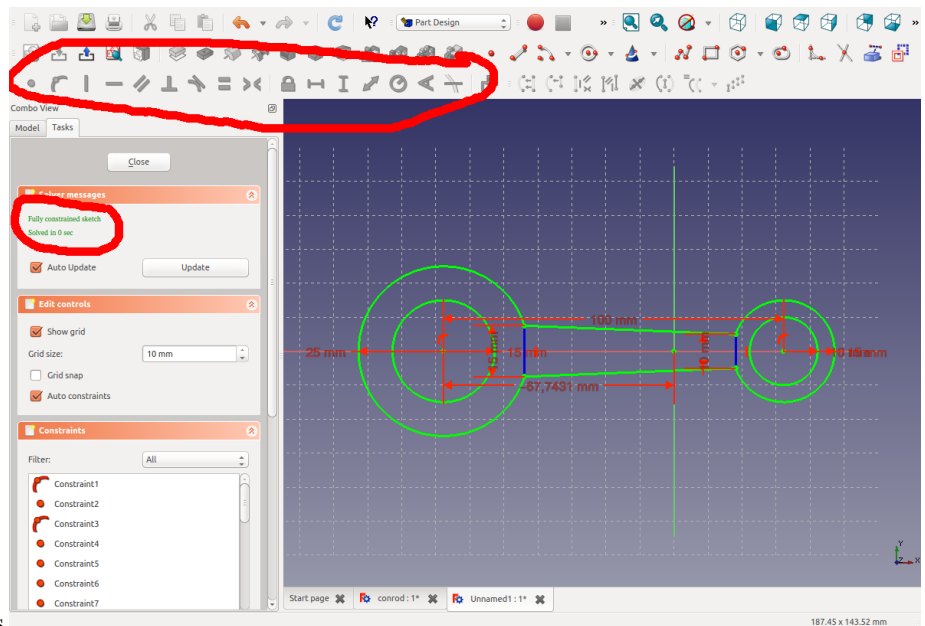
- Rita fyra cirklar med linjer emellan



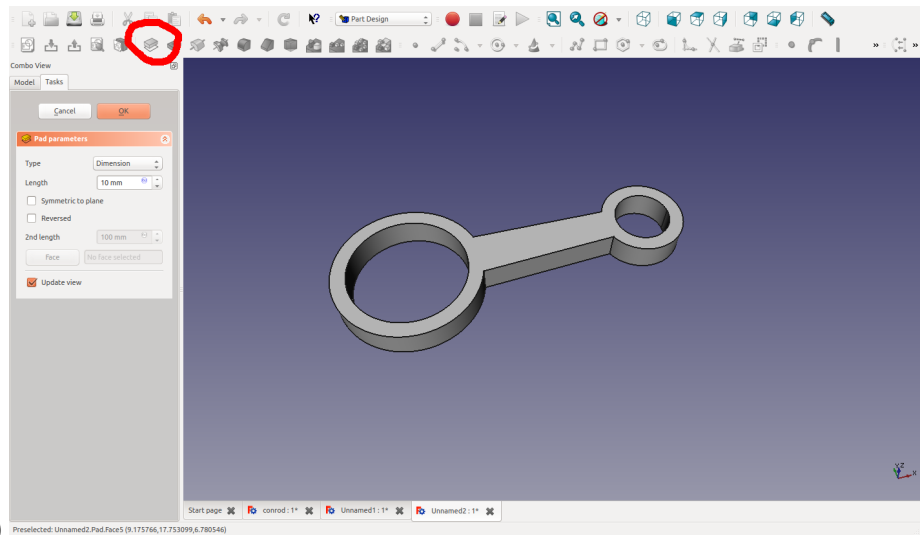
- Trimma de yttre cirkelarna



- Inför "hjälpplinj"er

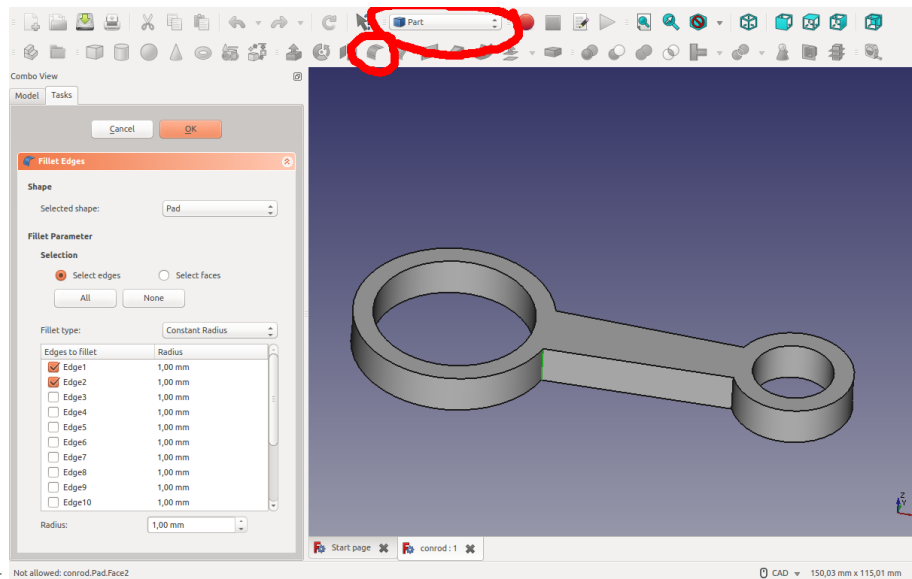


- Sätt constraints

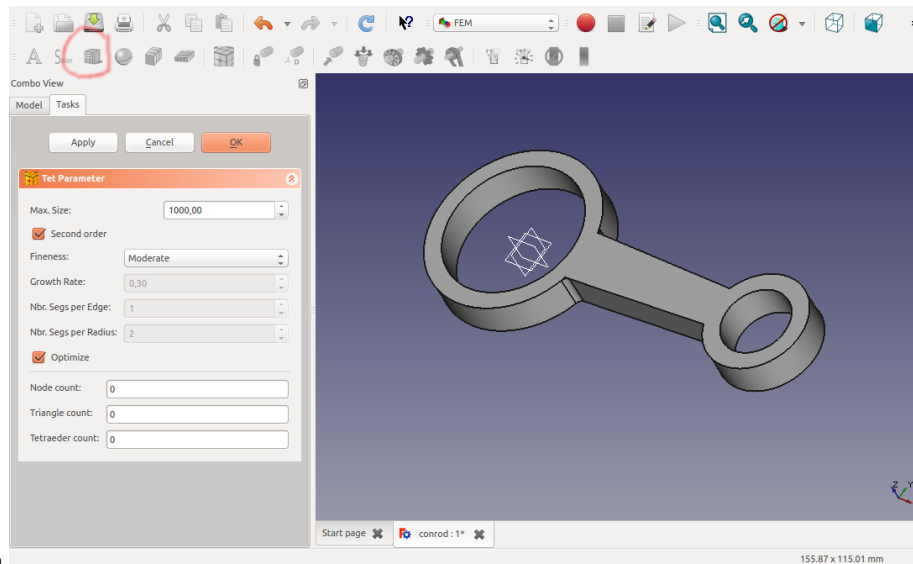


- Extrudera (Pad)

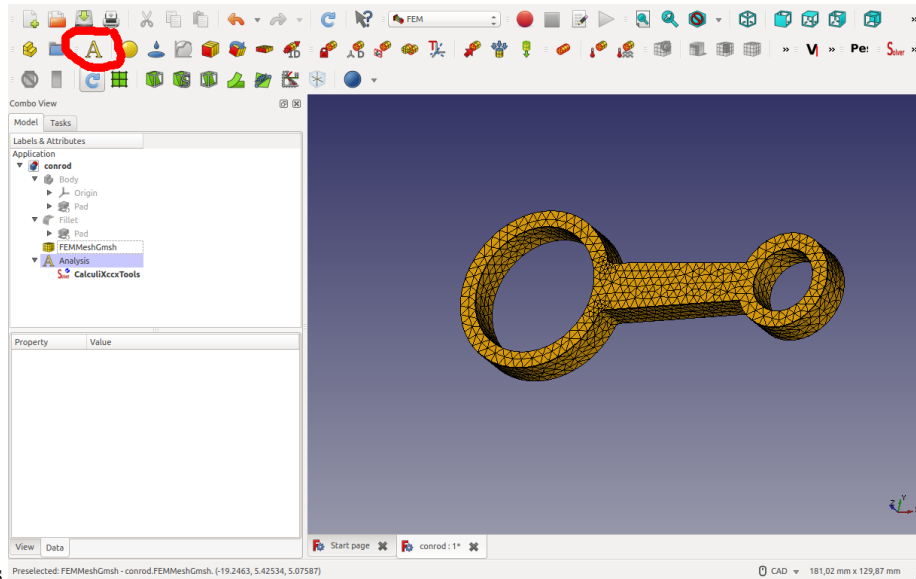
Part



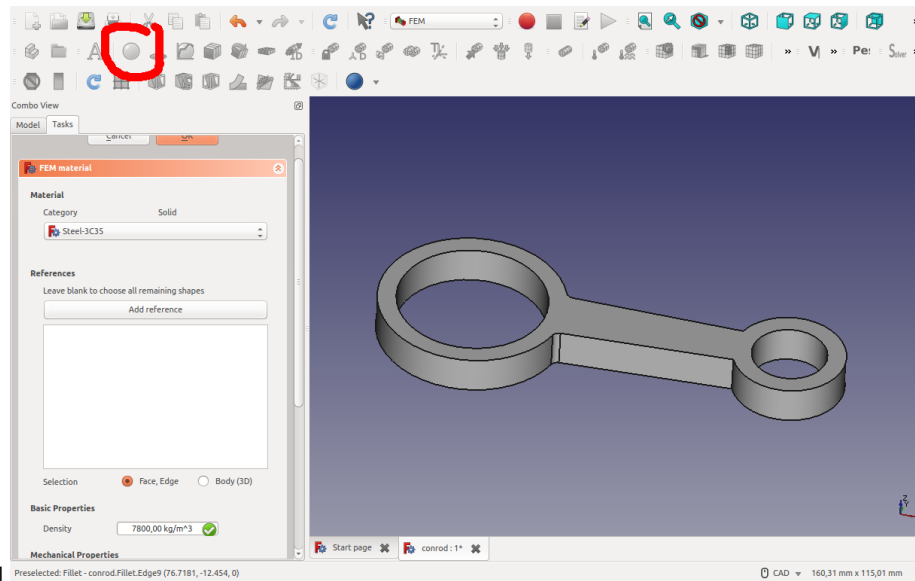
- Fillet
###FEM



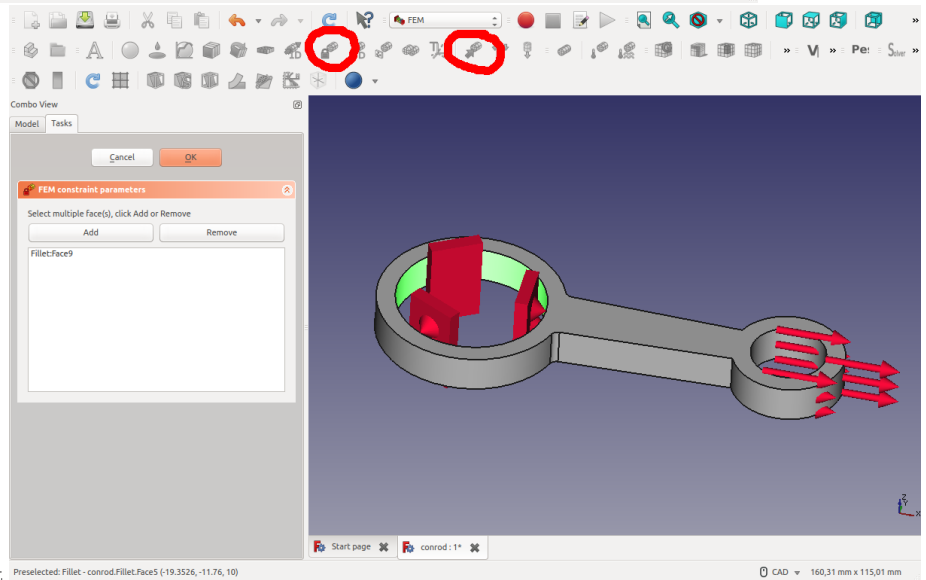
- Ny mesh



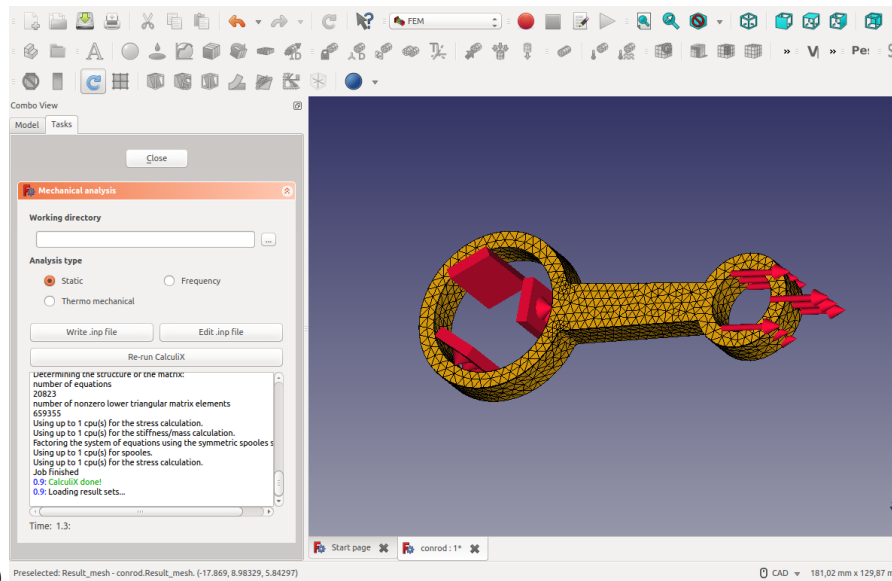
- Ny Analys



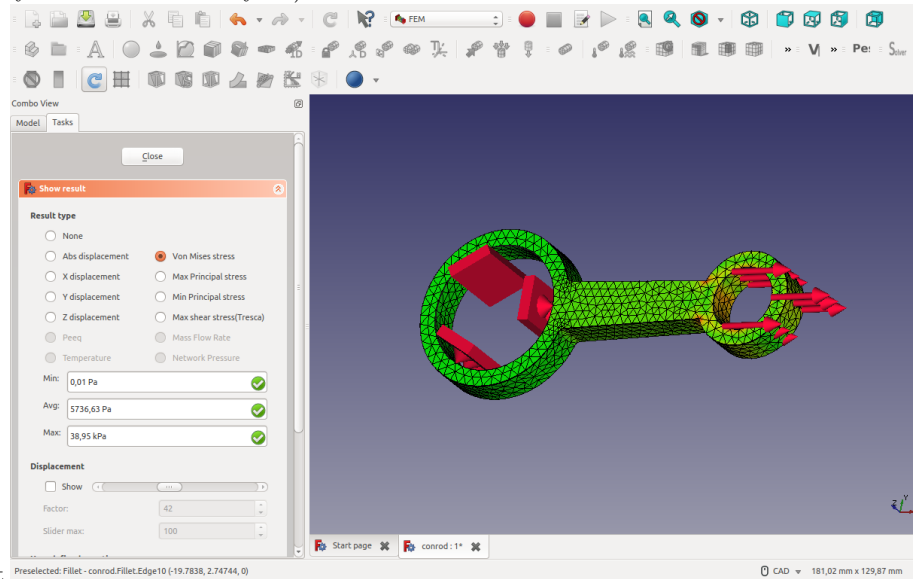
- Material



- Create FEM constraint



- Lös (flytta meshen till analysen)



*Post