

Compulsory exercise, fall 2006

(Simulation work can start in week 45 and end no later than week 47)

Pairs that will use the 2 physics department licenses at tid.uio.no

Name	week
Mehdi + Lars Cyril	License at Høyskolen I Vestfold
Lars + Hallvard	46
Jenny + Hassan (+ Behzad??)	46
Terje	47
Ellaleh + Knut	47

Remember to exit Coventorware by File > EXIT, or the license computer will have to be restarted!!!!

Choose one tutorial from .pdf tutorial files (numbering may have changed from last year!)

Vol 1 (most relevant 2.3 pull-in or 3.2 mirror design with analyzer) or Vol 2 (in Vol 2 number 12 PZR analysis is the most relevant for the course)

Go through the chosen tutorial. Then go through parts of the tutorial again - changing one or more parameters from the tutorial values and observe the changed simulation results. You may change the thickness of beams, materials e.g. Email Liv on choice/suggestion for parameter change. Discuss the numerical results for the changes parameters compared to the tutorial results. Are the changed results in accordance with what you would expect? Explain. If possible, compare with analytical descriptions.

Create between 6 and 10 slides on your work including figures, plots, and explanations. The slides can be powerpoint or pdf.

In week 48 (28th of November) each pair of students will present a 15 minute talk explaining the exercise. On the final exam, each single candidate will bring the presentation on a memory stick or CD and present the talk.