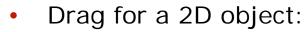
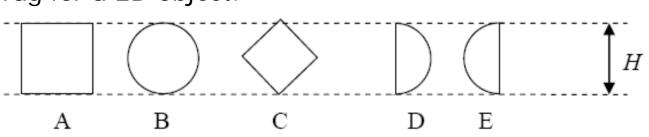
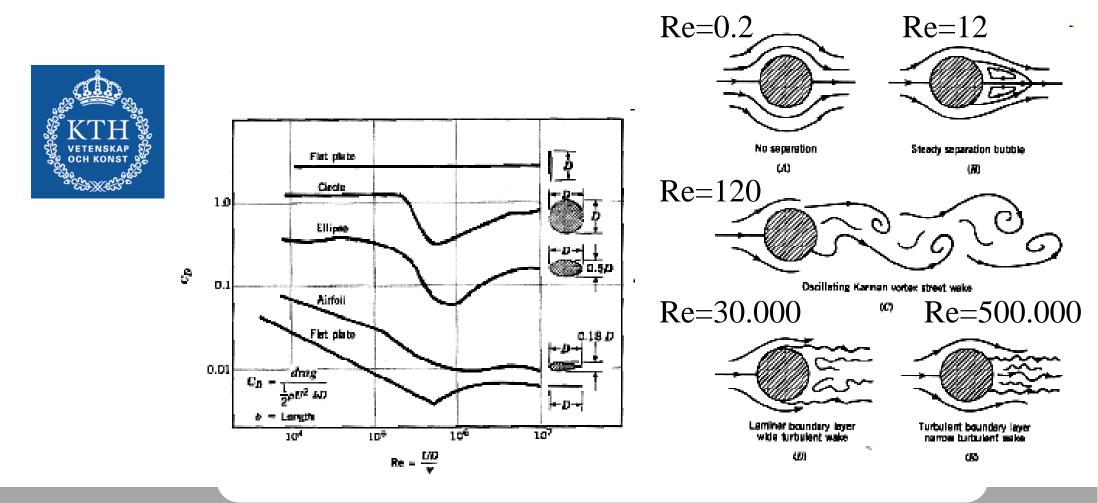
Individual task:

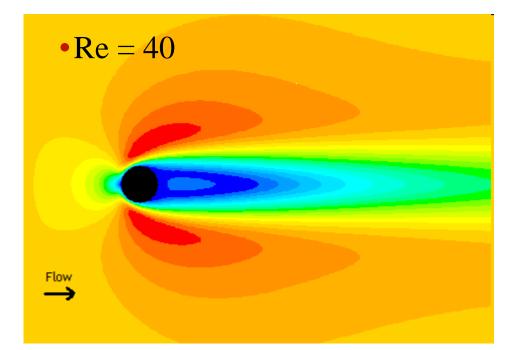


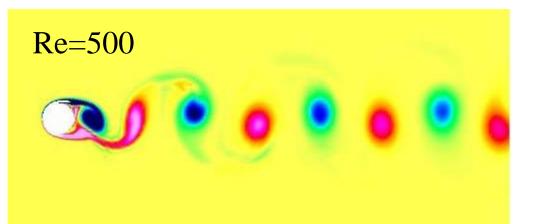


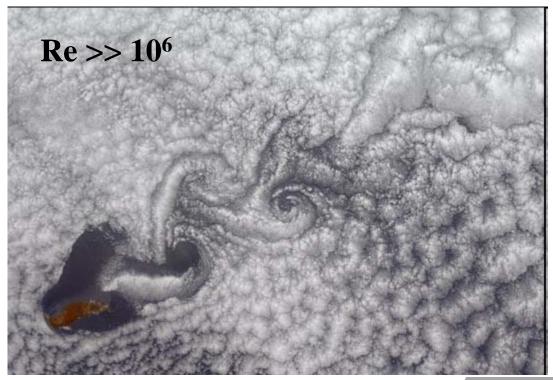


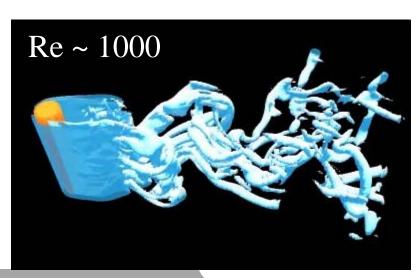
Reynolds no. dependency









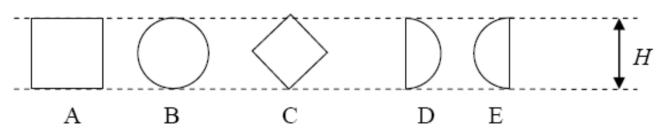


What to do:

• Objective



To derive the drag coefficient for a 2D object



- Setting
 - Choose object
 - Choose $Re = 10^4$, 10^5 or 10^6
 - Incompressible: Ma<0.1
- Derive
 - Drag coefficient
 - Grid and flow pictures
- Different approximations no "correct answer"

When:

- Preparation for lecture 2 (20/3): Sketch, Physical model, Reynolds number
- During lecture 2 (20/3):
 Determine the grid resolution requirements
- Before lecture 5 (18/4 12:00):
 Compute the case using Fluent
- During lecture 5 (19/4):

I will compare the different results - feedback

