

# 16.21 - Techniques of structural analysis and design

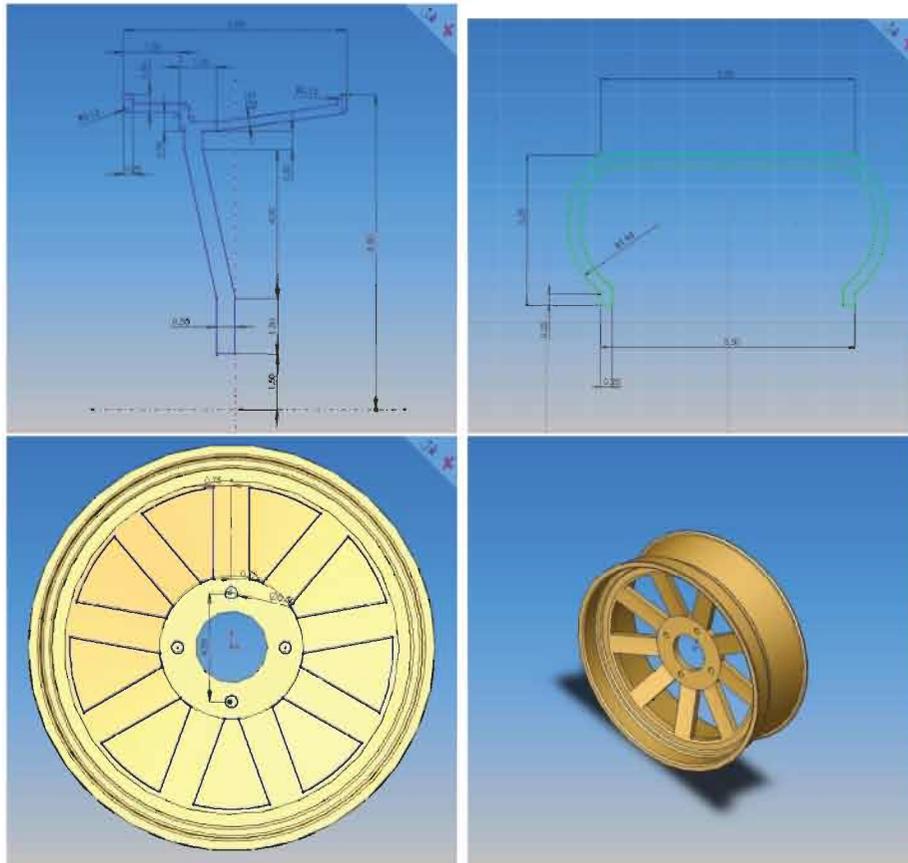
## Homework assignment # 7

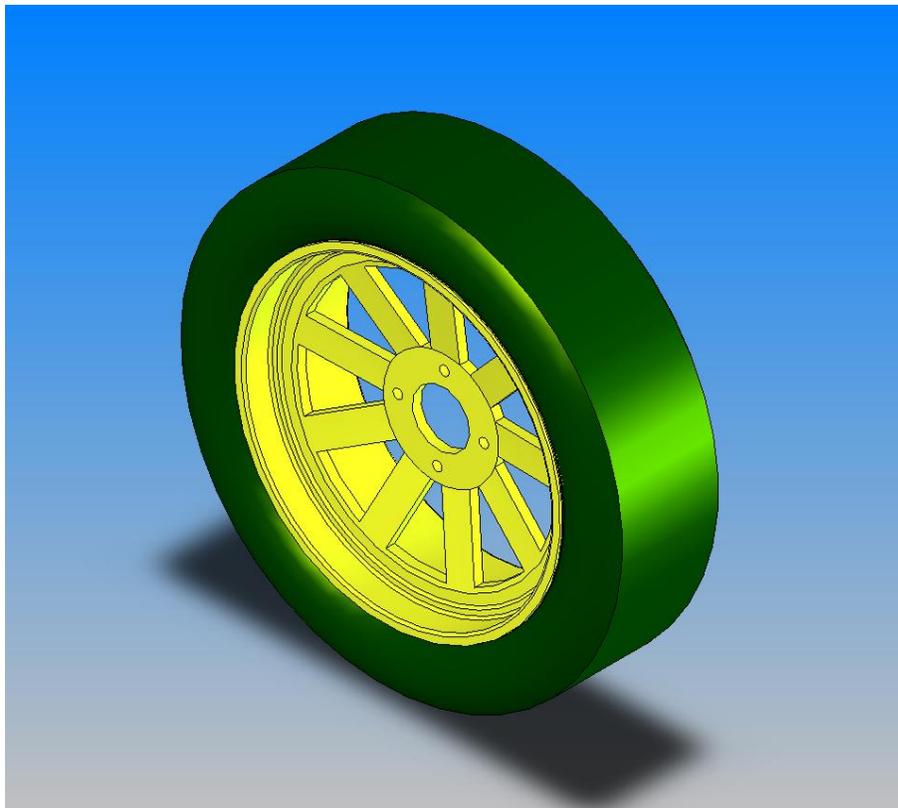
Handed out: 4/8/05

Due: 4/15/05

April 8, 2005

Solidworks assignment (not for grade)(Thank you Chris!): Build a wheel and tire assembly. This assignment will show how to build complex geometry and curves using the revolve feature. Extension of arraying tools and extruding/cuts will also be involved. Mating parts into an assembly is required for this assignment. The final product is a set of part files (SLDPRT) and one assembly file.





Final submission should be a Solidworks Assembly file, and the referenced part files.

**Problems for grade:**

1. Problem 5.6 from textbook
2. Problem 7.22,7.29 from textbook
3. Problem 7.24,7.31 from textbook
4. Problem 7.25,7.32 from textbook
5. Problem 7.36 from textbook

Note that 7.22, 7.24 and 7.25 are part of 7.29, 7.31 and 7.32, respectively.