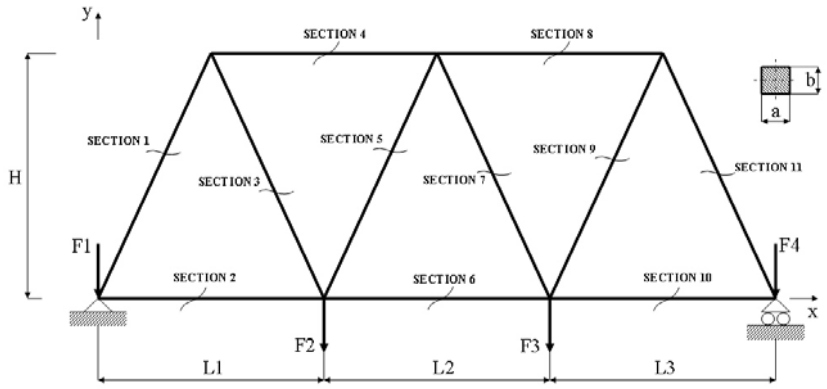
Course in ANSYS

Example0152

Example – Truss 2D



E = 210e09N/m^2
ν = 0.3
L1 = L2 = L3 = 3.6m
H = 3.118m
a = b = 0.050mm

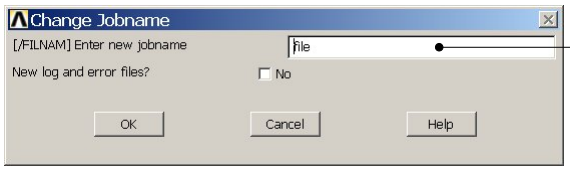
F1 = 280kN
F2 = 210kN
F3 = 280kN
F4 = 360kN

Example – Truss 2D

Objective:
Compute the maximum deflection
Tasks:
Display the deflection figure? Display member forces?
Topics:
Topics: Start of analysis, Element type,
Real constants, Material, modeling, ele-
ment size for beam models, saving/restoring

Example - title

Utility Menu > File > Change Jobname — GUI
/jobname, Example0152 — Command line entry



Enter: Example0152

Utility Menu > File > Change Title
/title, Truss 2D

Enter: Truss 2D