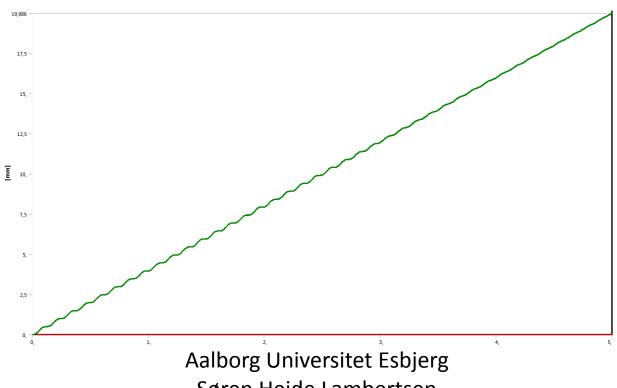
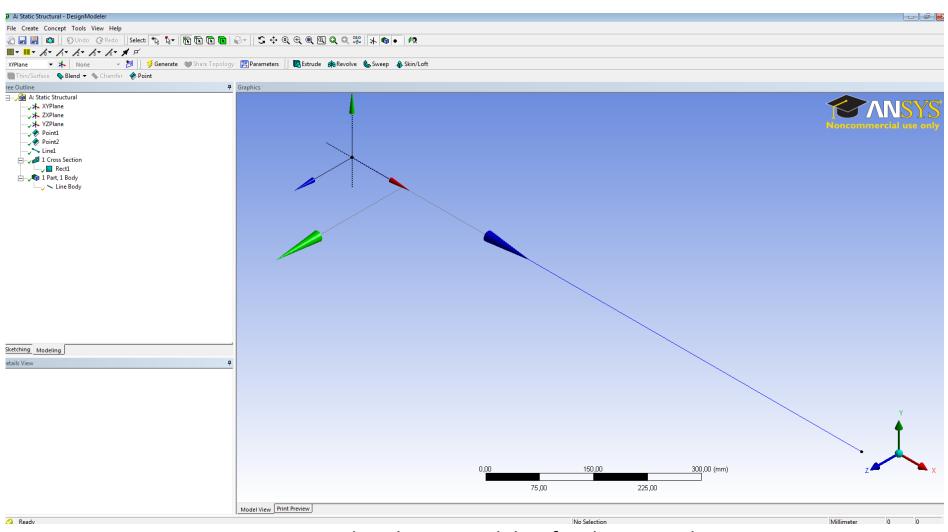
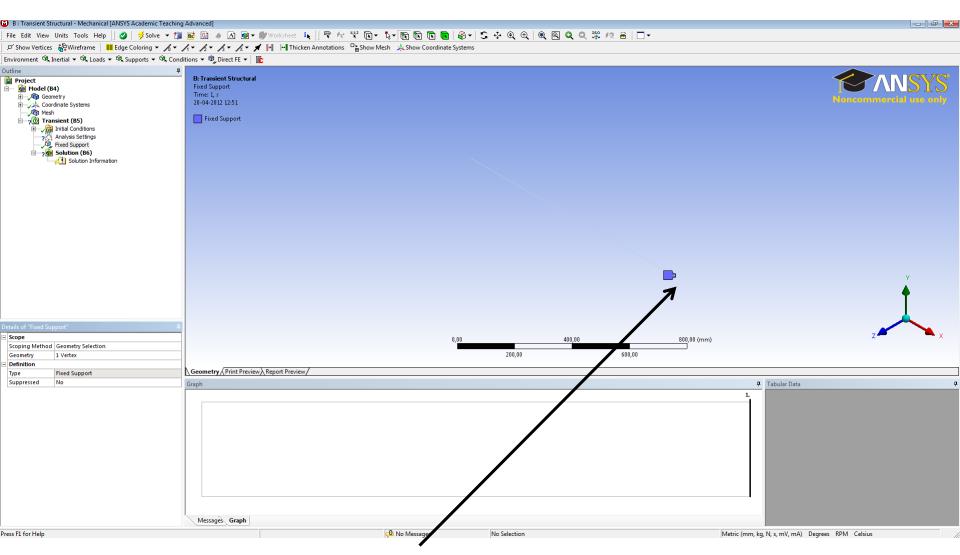
Transient beam analysis Workbench 14.0



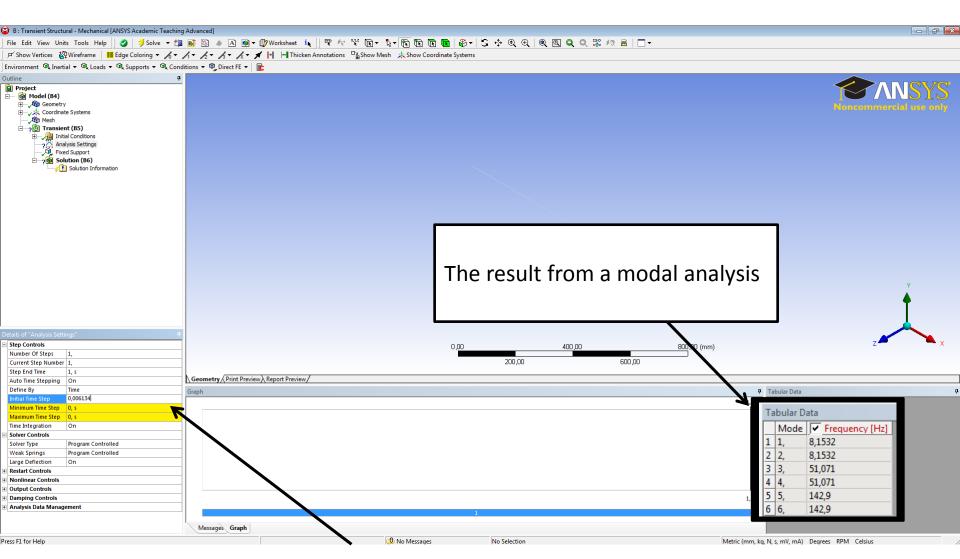
Søren Heide Lambertsen



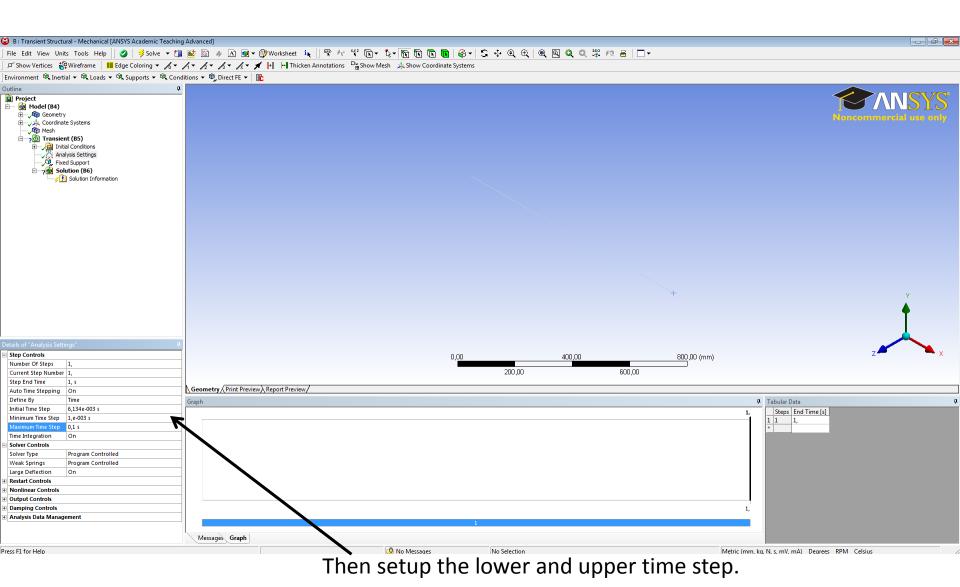
Make a beam model or for this example download the Transient Beam Geometry from the homepage.

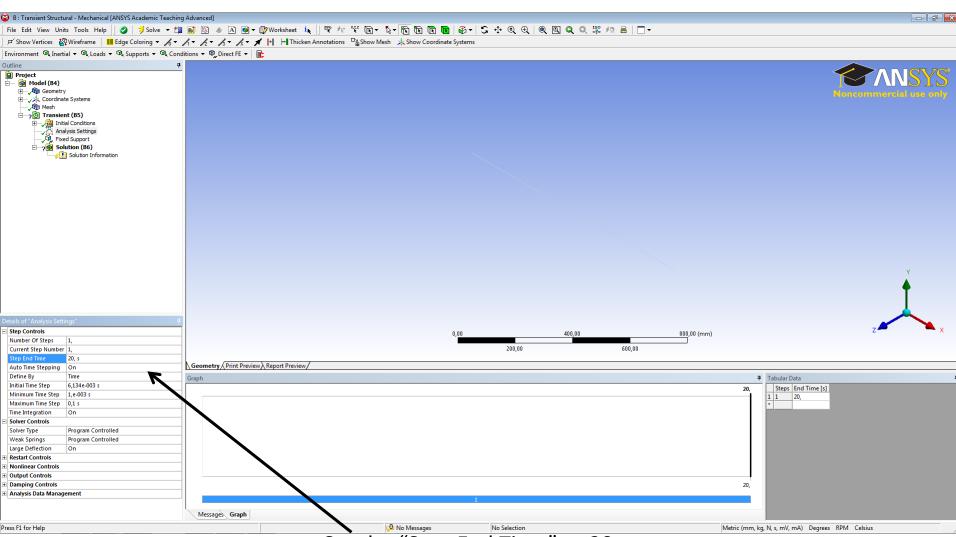


Use a fixed support in one of the ends.

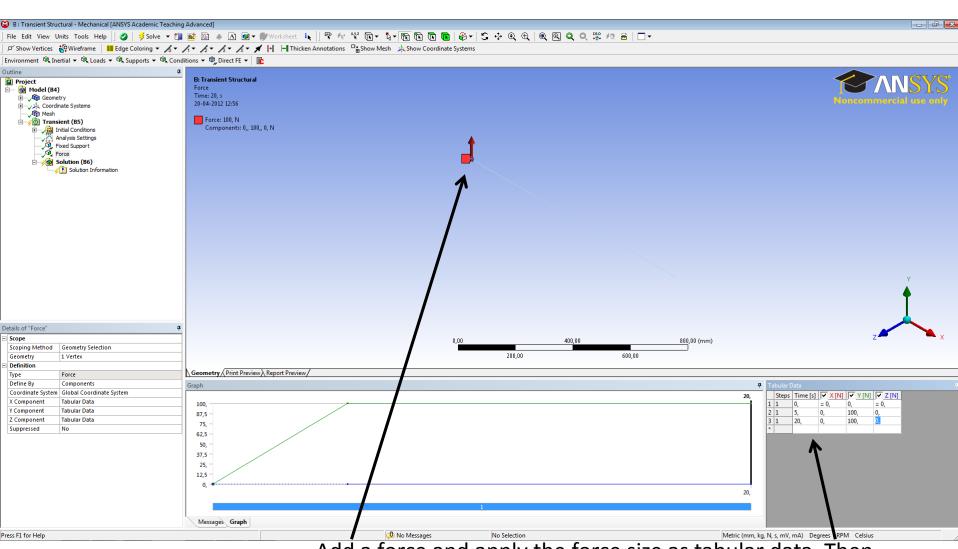


Now setup the Initial time step. A general rule is twenty points per cycle at the response frequency. Time step= 1/(20f) Time step= 1/(20f)= 1/(20*8,15)=0,00613

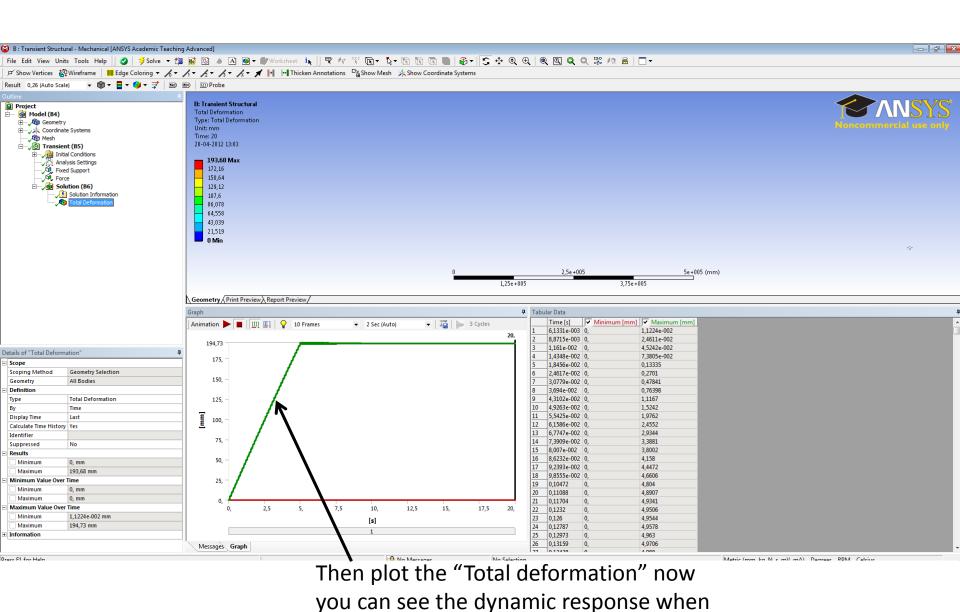




Set the "Step End Time" to 20,s



Add a force and apply the force size as tabular data. Then enter in the tabular so the force will rise to 100 [N] in 5 sec and be static from 5 sec to 20 sec. Then solve



the bean is being loaded.