



## Quiz 2

1. Discuss the effect of damping on the **U3** displacement of the node set **bottomnodes**. Attach relevant plots from the lab exercises.
2. Why is density required in the material model definition?
3. Which element is used to model the part open box?
  - a) S4R
  - b) C3D8
  - c) R3D4
4. Assume that at the beginning of the analysis spheres are located at a height of 100 mm. In how much time will they first contact the open box (in our case)?
  - a) 1 sec
  - b) 3.8 sec
  - c) 0.3 sec
  - d) 0.14 sec