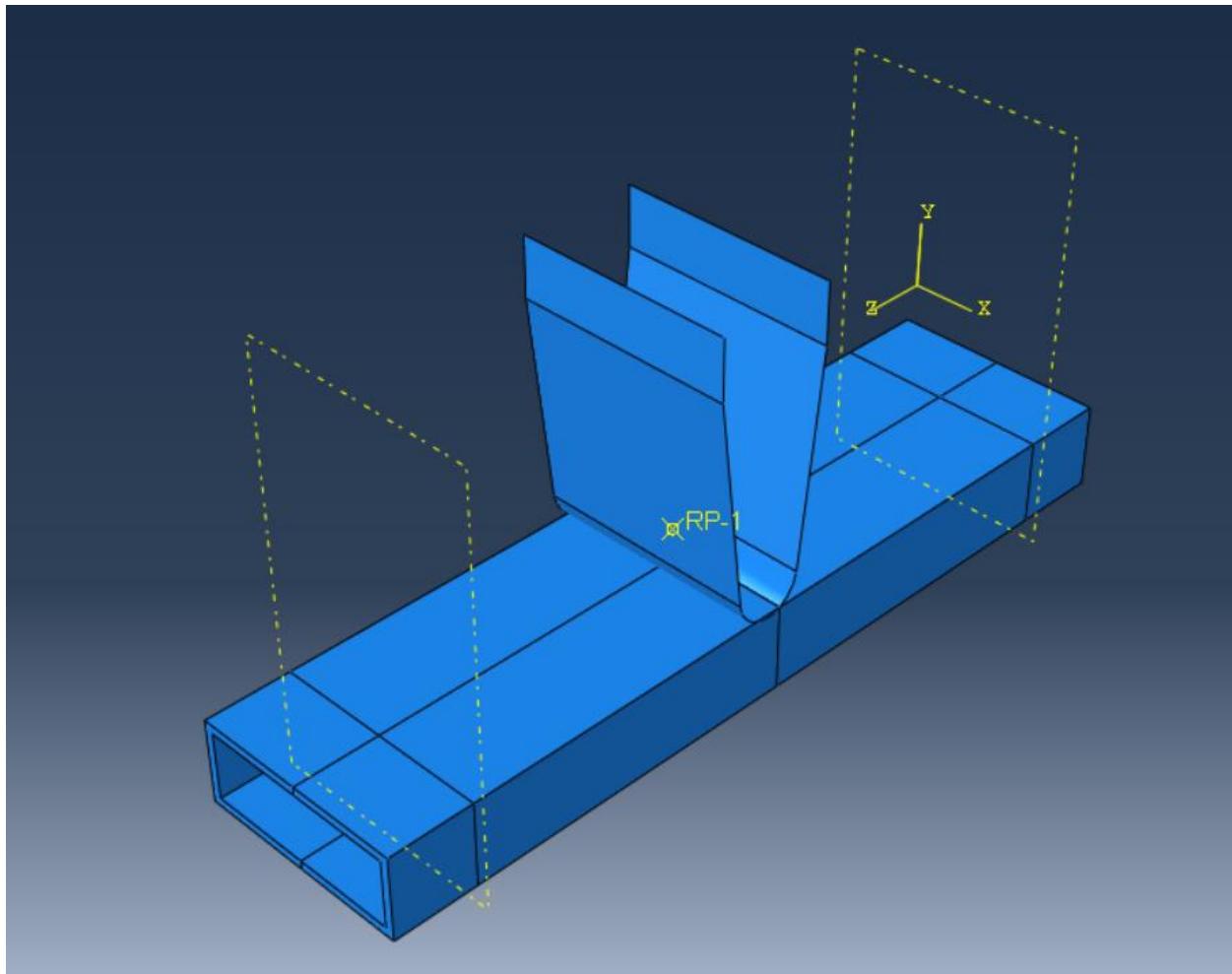


Project 6: ABAQUS Contact Analysis: Hollow Block Press

Problem Statement: Model the deformation of a hollow block press under contact loading.

Geometry:



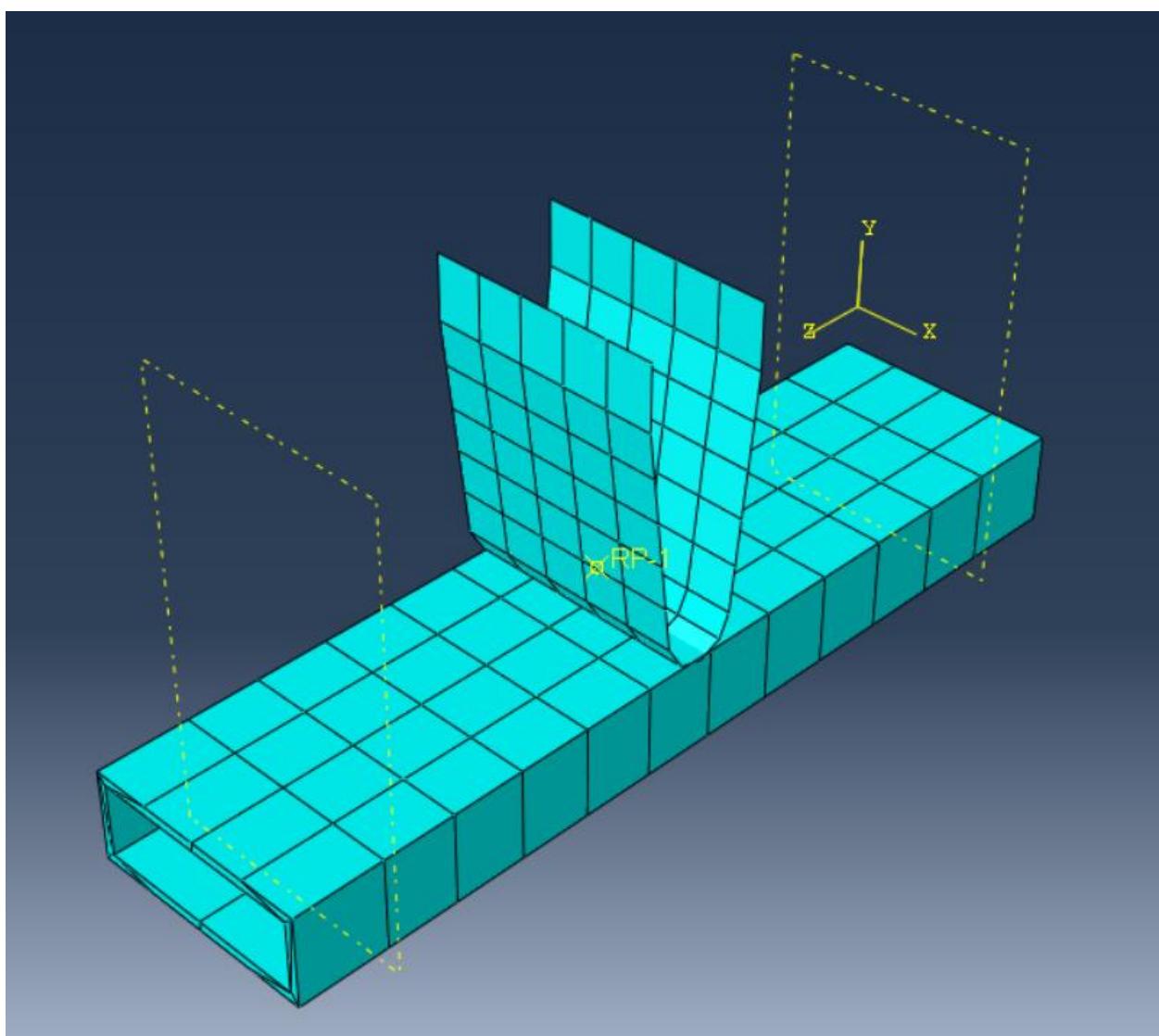
Material Properties:

Young's Modulus	Poisson's Ratio
210000	0.3

Loading and boundary conditions:

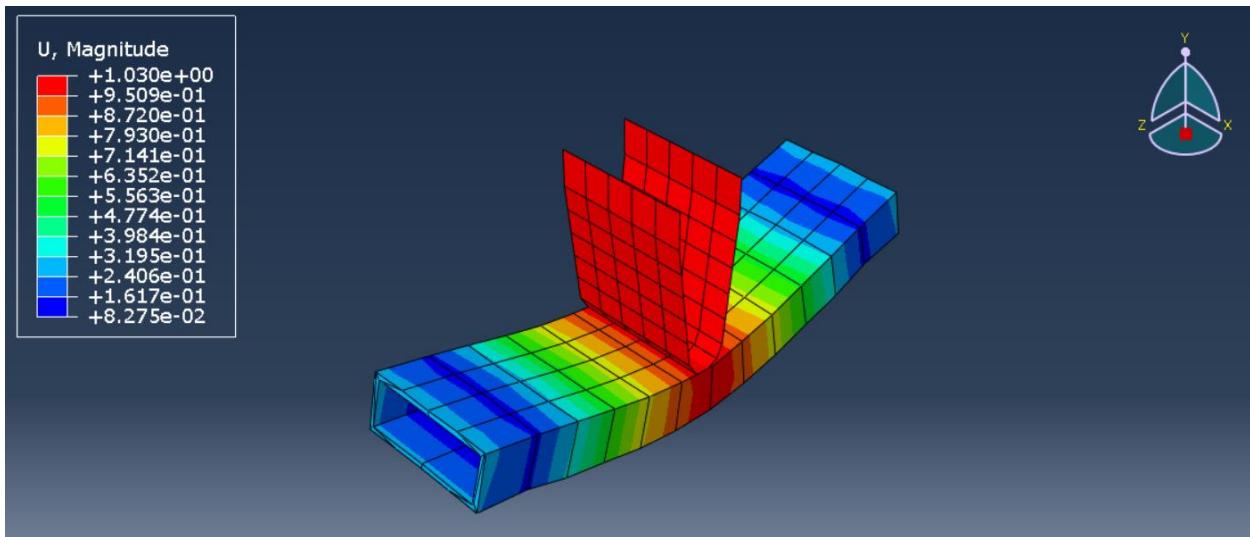
- 1) Contact loading applied at the top surface of the hollow block.

Mesh: (coarse due to limitation of 1000 nodes in ABAQUS educational version).



Results:

Deformation:



Mises stress:

