Question 1404022233
Bottle buckling of bottles full of incompressible fluid

• Testing of bottles

Bottles are tested in the lab for compression until buckling instability is produced. Bottles empty, full of air and full of liquid showed much different behaviour. Buckling instability is reduced by the presence of incompressible liquid.

The question to modelbench community is how to simulate this behaviour. Many softwares can simulate empty bottles for buckling but buckling and fluid-structure interaction is the question to solve.