Torsion of an elastic cube

Remark:

- Torsion applied through Dirichlet type B.C. (displacement controlled)
- 2. Axis of rotation: Z-axis
- 3. Center of rotation: (X_0, Y_0)
- 4. Rotation rate: $\dot{\theta}$

Boundary condition for the cube example:

@ z = 0:
$$u_x = u_y = u_z = 0$$

$$u_z = 0$$

where

$$x = X - X_0 \qquad \theta = \dot{\theta}t$$

$$y = Y - Y_0$$
 t is current time



