

Instruction for 'surficial_caprock_model.mph.txt'

1. The problem is set for the case $a/h = 1$, $l/h = 1$.
2. You can change the location and radius of the injection region freely.
3. All the computational data presented in "Poromechanical behaviour of a surficial geologic barrier during fluid injection into an underlying poroelastic formation" can be obtained using this model.

**note1: Please remove '_txt' of mph.file.

**note2: After the radius of the injection region changed, you might need to adjust the boundaries and mesh sizes to get optimized the computational results.