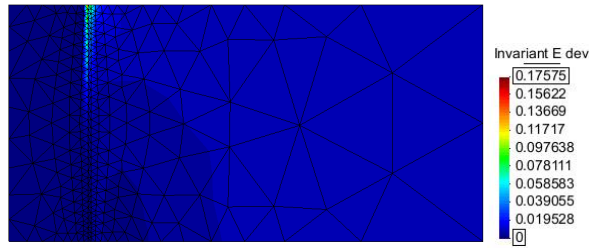
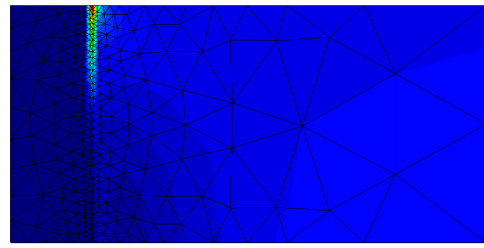


a) Unstructured-triangle/irregular mesh:

$q = 50$  kPa

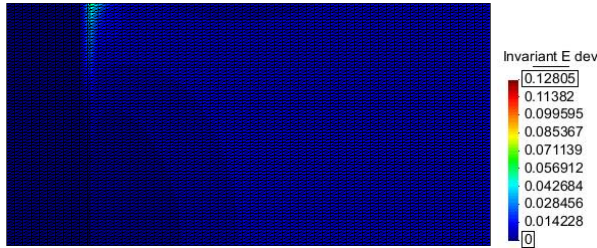


$q = 100$  kPa

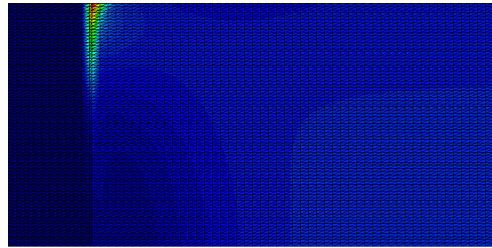


b) Structured-triangle/fine mesh:

$q = 50$  kPa

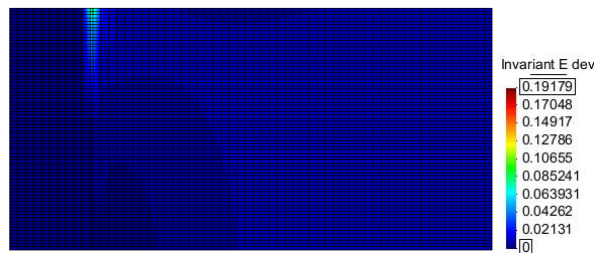


$q = 100$  kPa

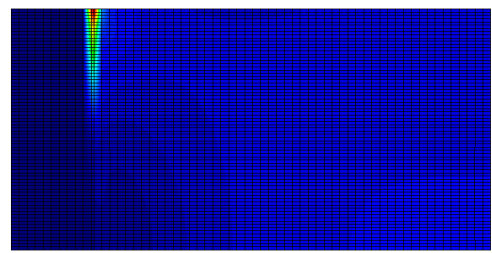


c) Structured-quadrilateral/fine mesh:

$q = 50$  kPa

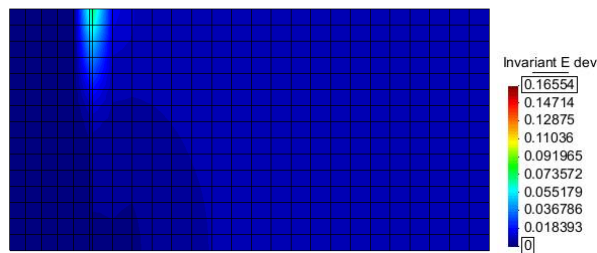


$q = 100$  kPa

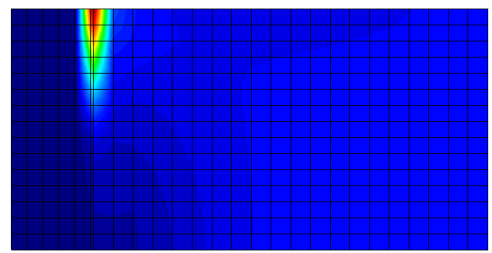


d) Structured-quadrilateral/coarse mesh:

$q = 50$  kPa



$q = 100$  kPa



**Figure S4:** Evolution of total shear strains using program CODE\_BRIGHT ( $q = 50$  kPa and 100 kPa) with the different meshes assumed: (a) unstructured mesh with triangular elements, (b) triangular structured-mesh, (c), quadrilateral structured-fine-mesh, and (d) quadrilateral structured-coarse-mesh. Cases with  $t_i = 0.018$ m and  $R_i = 0.8$ .