

Simulation Summary Report

Project Title: Fracture under shear

Description: 2D, Fracture analysis, Isotropic, Quasi-Static

Created By: pmasscasestudies

Project Created: 02/15/2023-18:40

Report Created: 10/31/2023-10:21

Analysis Type: Fracture Analysis

Solver: quasi-static

Dimension: 2

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```

Undeformed Grid

Number of Points: 40000

min-x: 0.0025

max-x: 0.9974999999999999

min-y: 0.0025

max-y: 0.9974999999999999



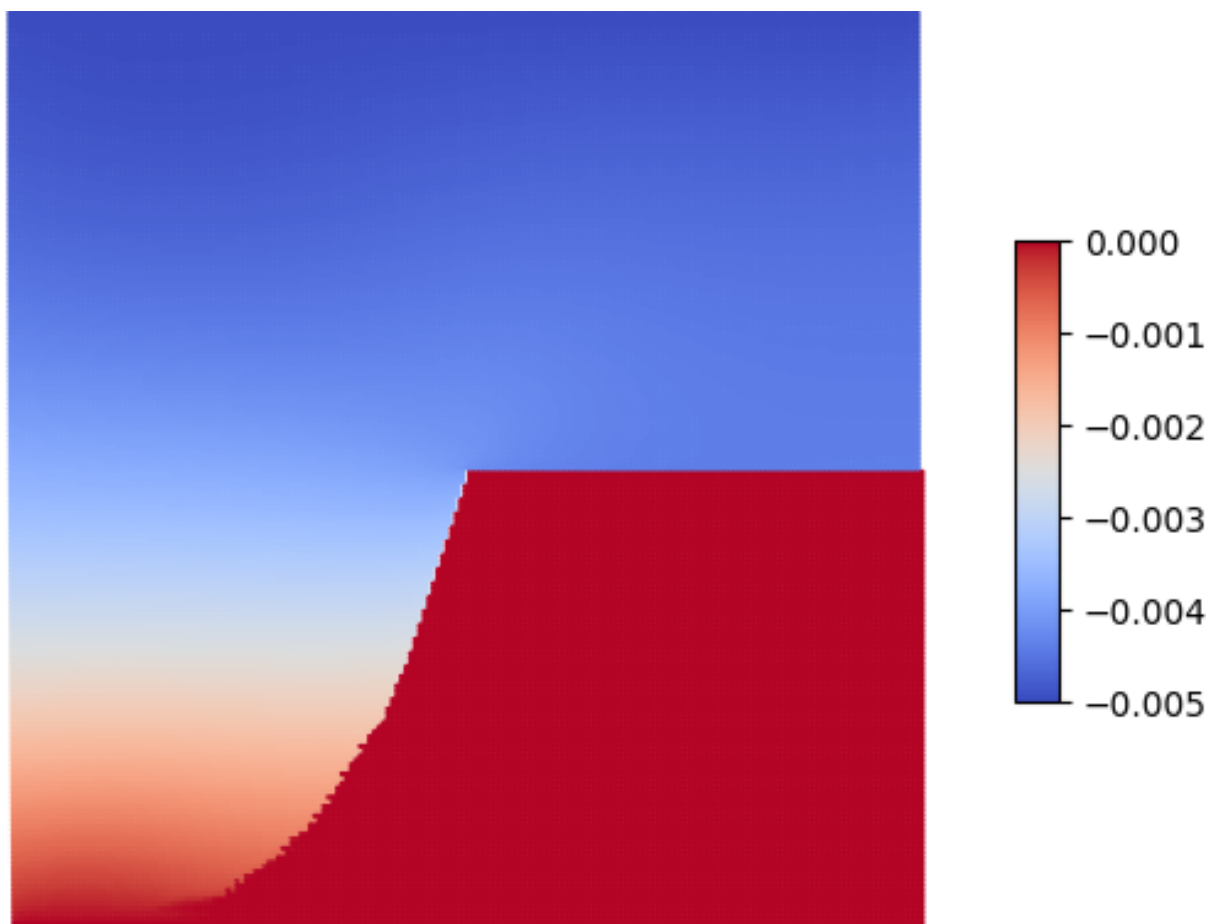
Run Name: run0

Solution Output: out_0_50

Field: u-x

min-u-x: -0.005

max-u-x: 4.19605e-06



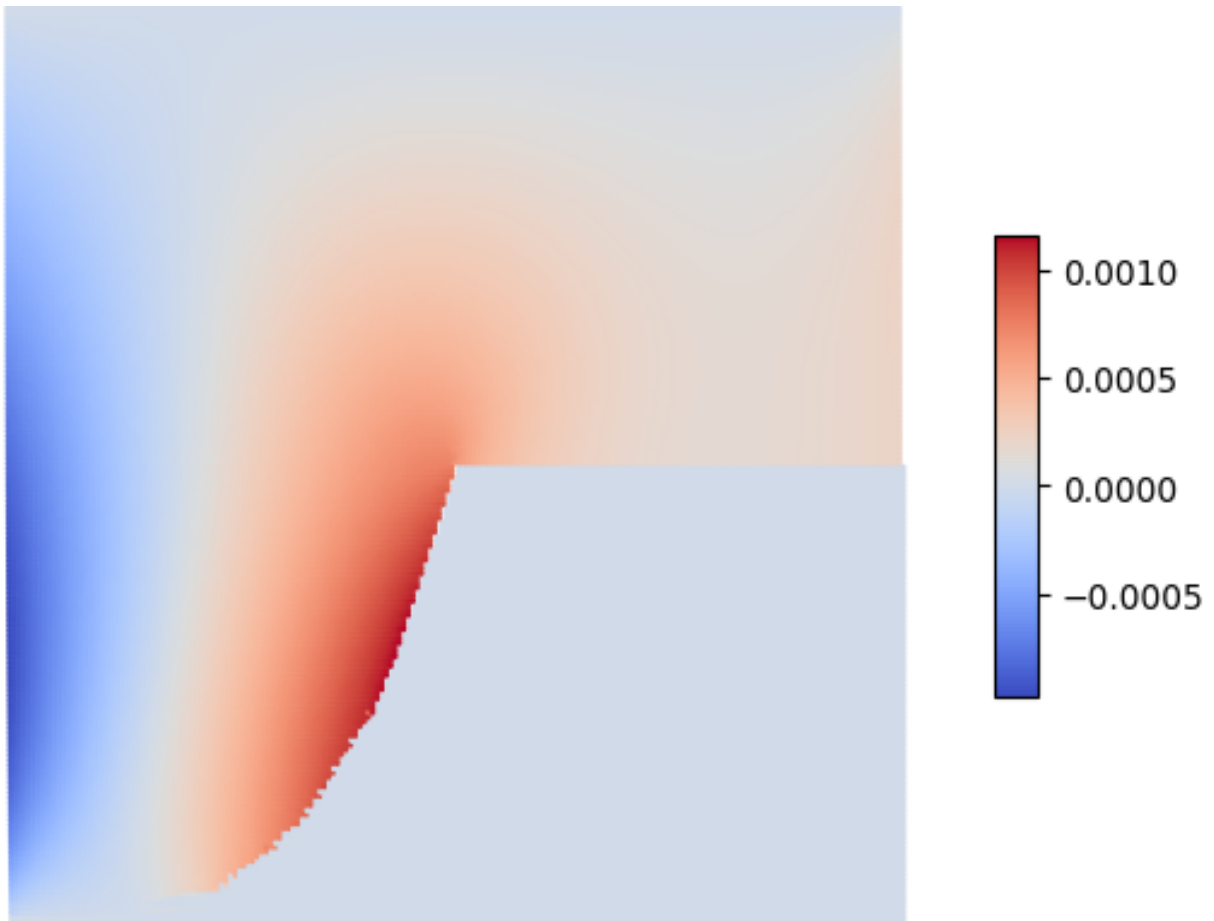
Run Name: run0

Solution Output: out_0_50

Field: u-y

min-u-y: -0.000970913

max-u-y: 0.0011622



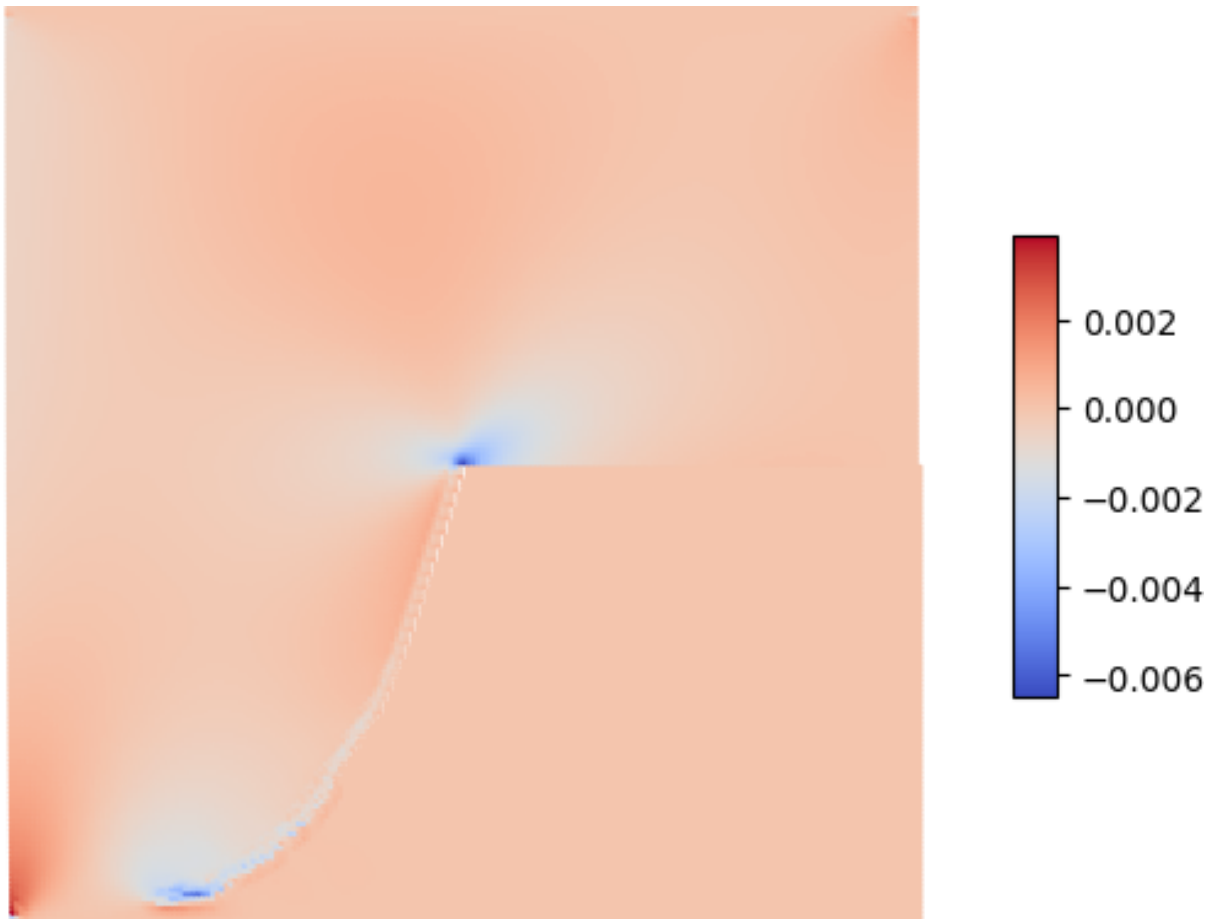
Run Name: run0

Solution Output: out_0_50

Field: e-x

min-e-x: -0.00645416

max-e-x: 0.00389361



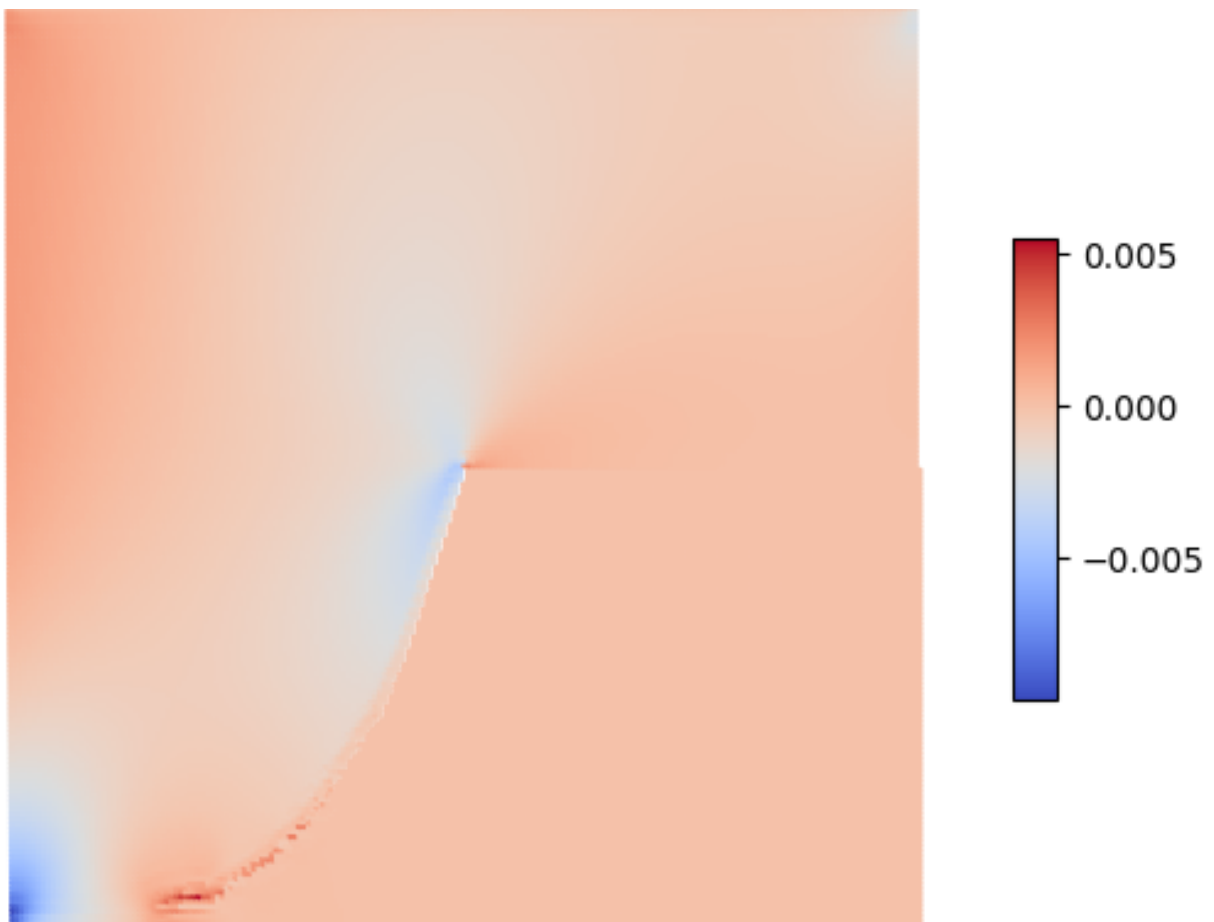
Run Name: run0

Solution Output: out_0_50

Field: e-y

min-e-y: -0.0095992

max-e-y: 0.00550204



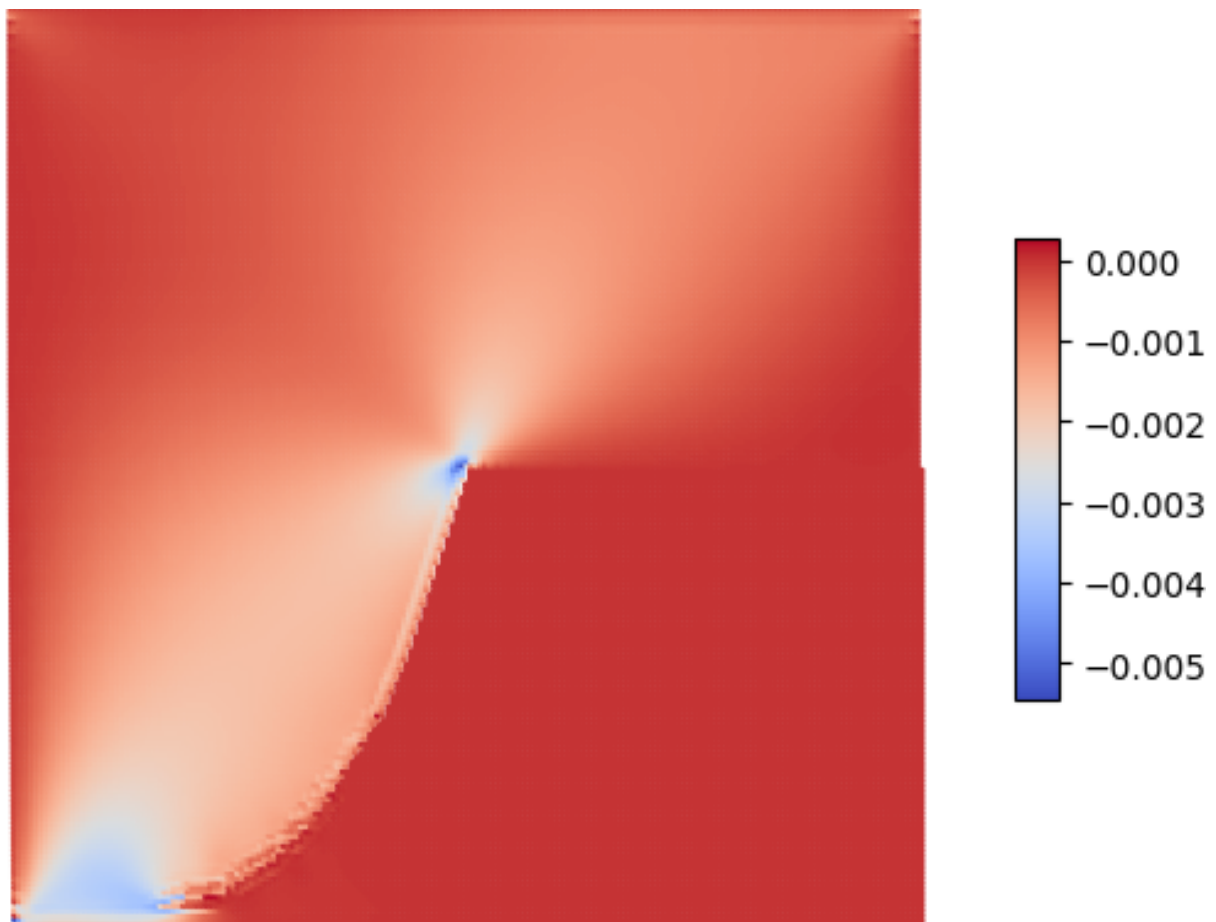
Run Name: run0

Solution Output: out_0_50

Field: e-xy

min-e-xy: -0.0054389

max-e-xy: 0.000278347



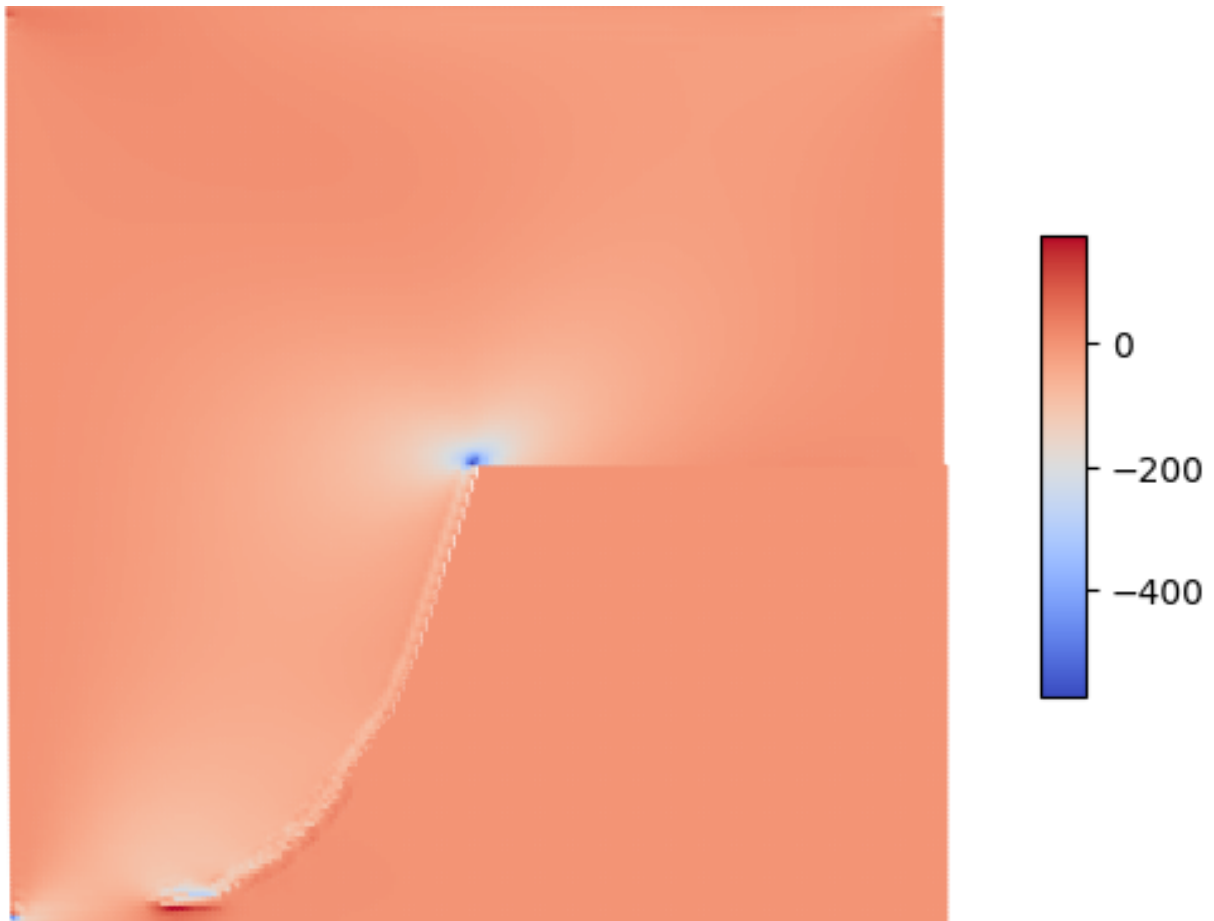
Run Name: run0

Solution Output: out_0_50

Field: s-x

min-s-x: -573.197

max-s-x: 176.525



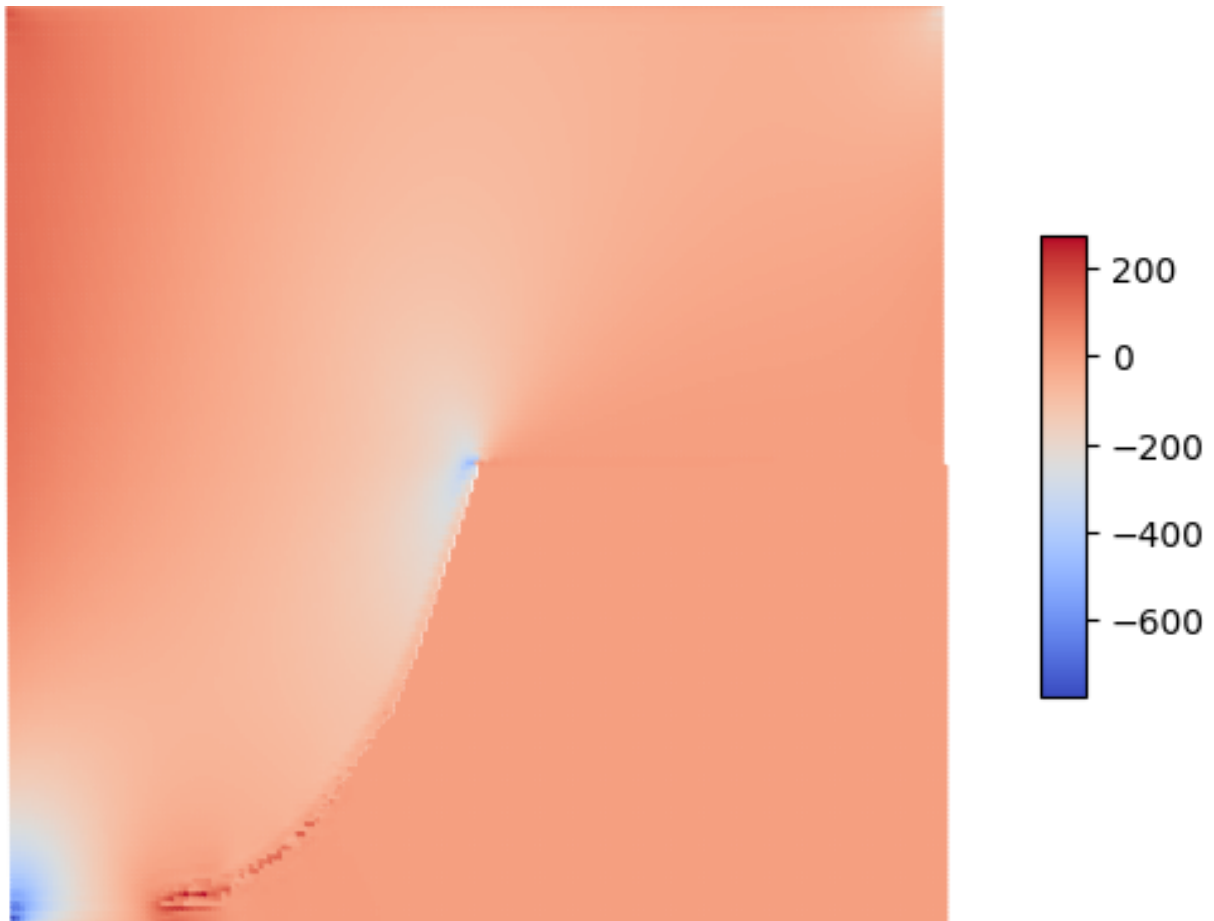
Run Name: run0

Solution Output: out_0_50

Field: s-y

min-s-y: -773.116

max-s-y: 274.902



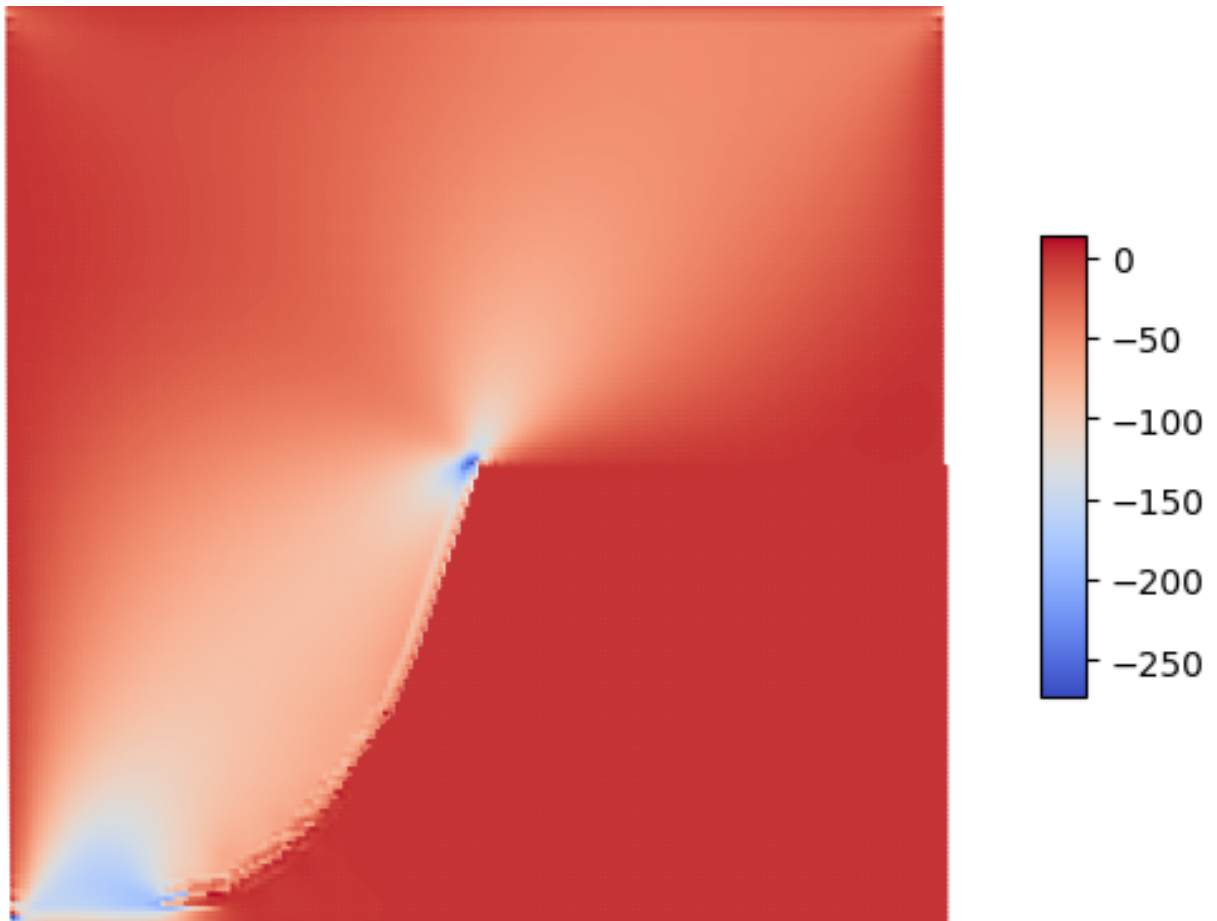
Run Name: run0

Solution Output: out_0_50

Field: s-xy

min-s-xy: -271.945

max-s-xy: 13.9173



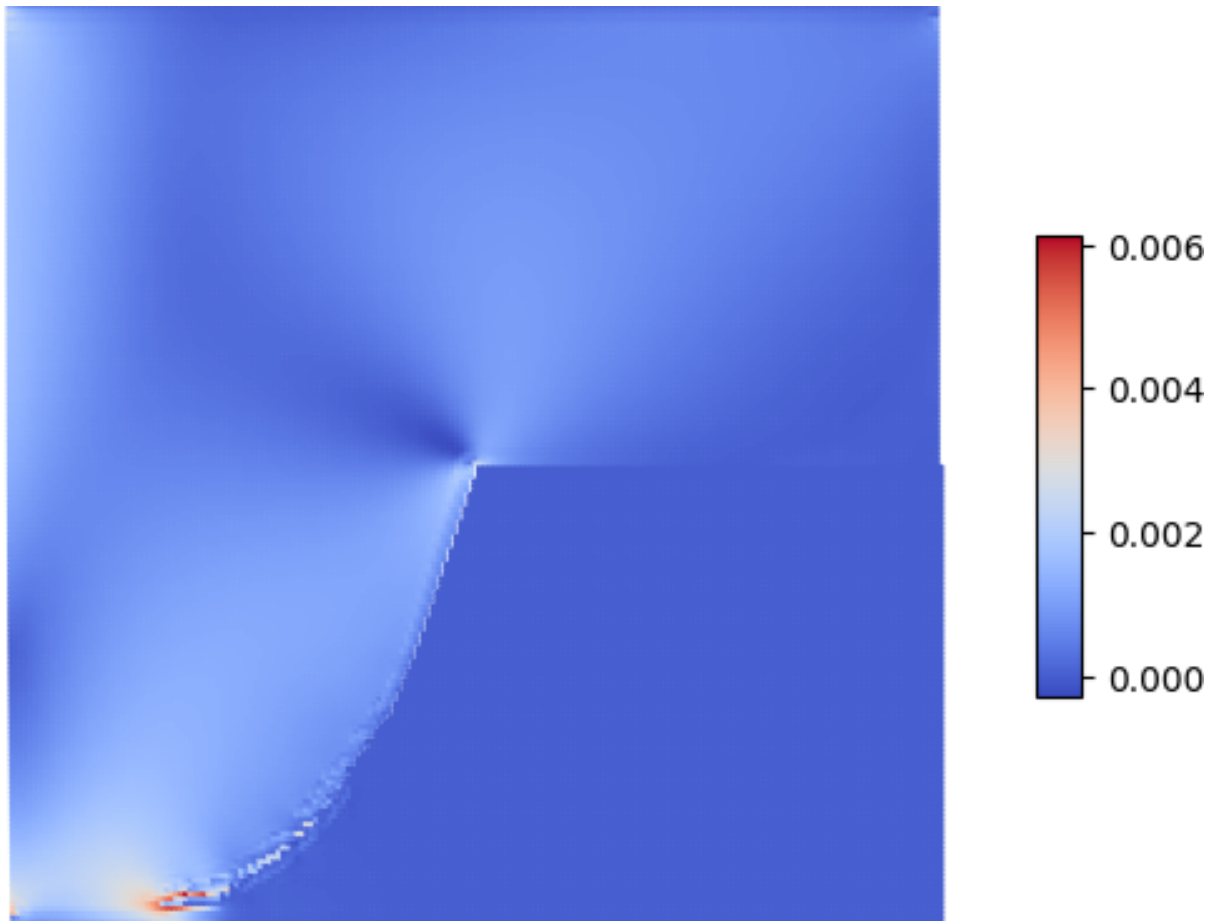
Run Name: run0

Solution Output: out_0_50

Field: e-p1

min-e-p1: -0.000258305

max-e-p1: 0.00612891



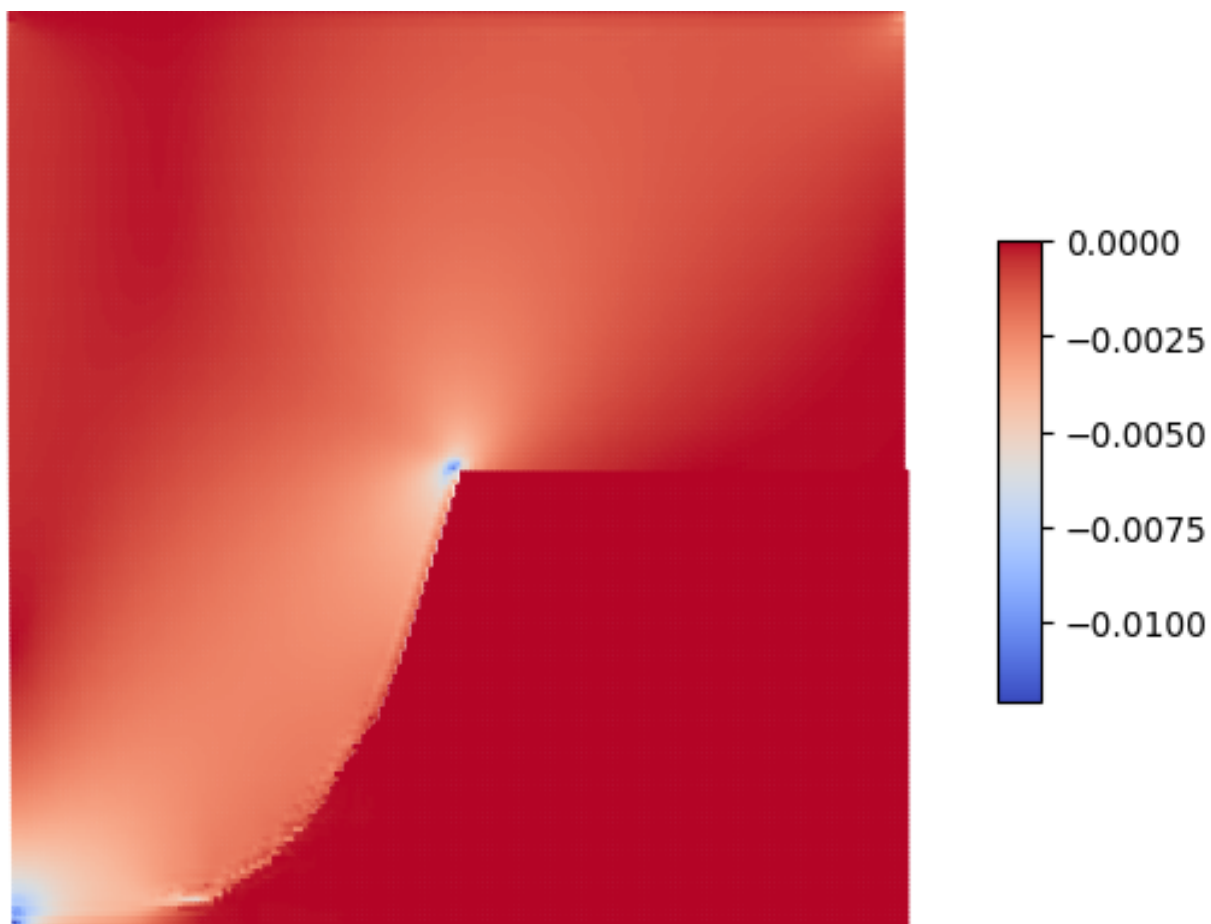
Run Name: run0

Solution Output: out_0_50

Field: e-p2

min-e-p2: -0.0120802

max-e-p2: 3.6661e-05



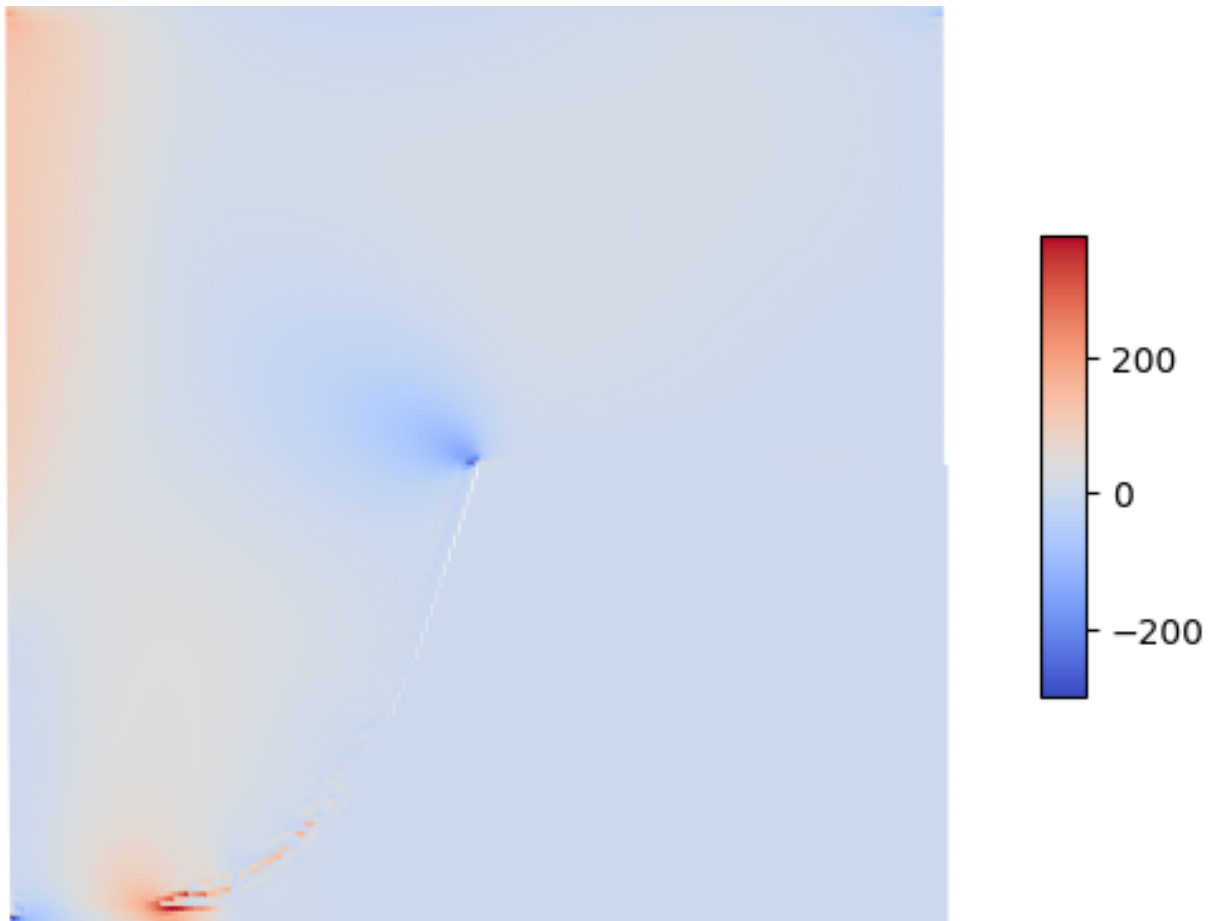
Run Name: run0

Solution Output: out_0_50

Field: s-p1

min-s-p1: -299.183

max-s-p1: 380.664



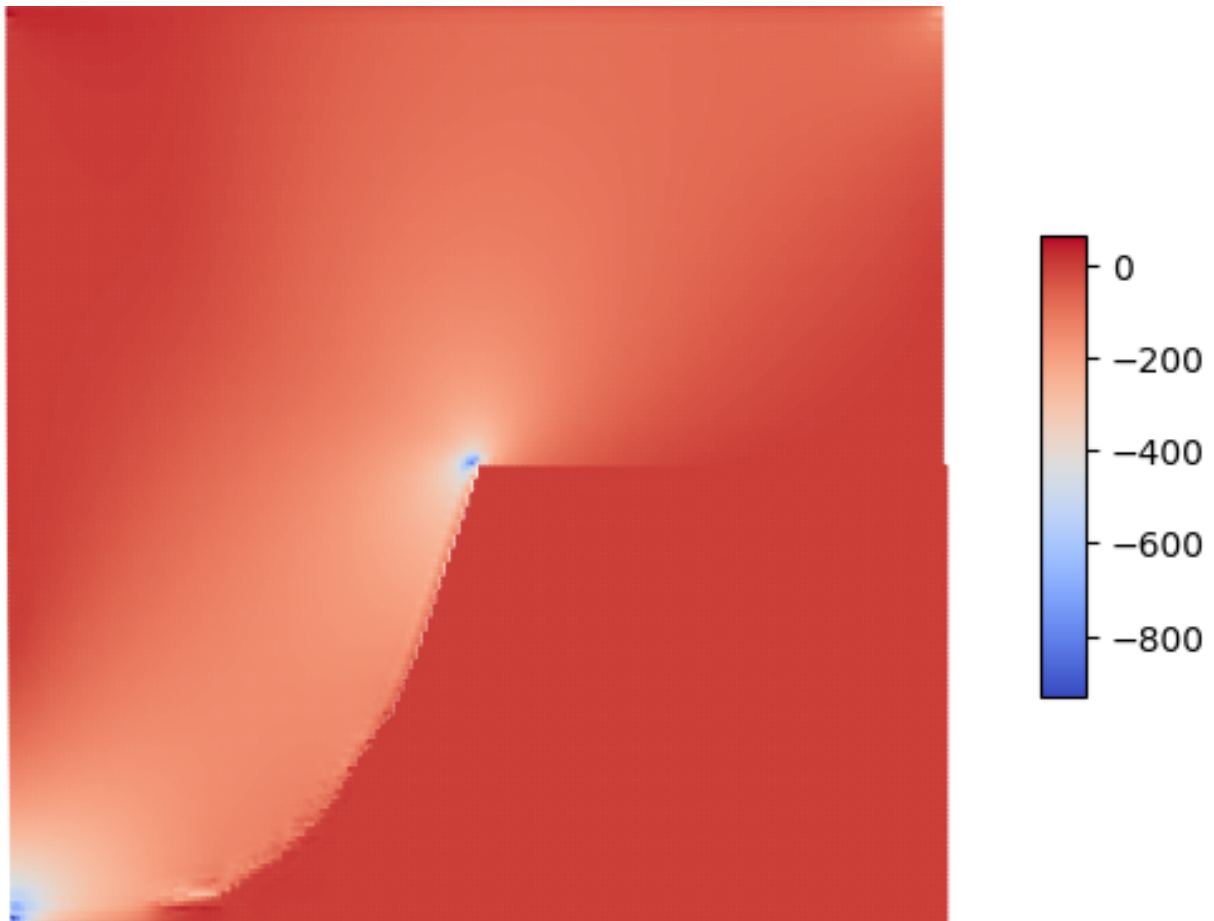
Run Name: run0

Solution Output: out_0_50

Field: s-p2

min-s-p2: -929.159

max-s-p2: 63.1655



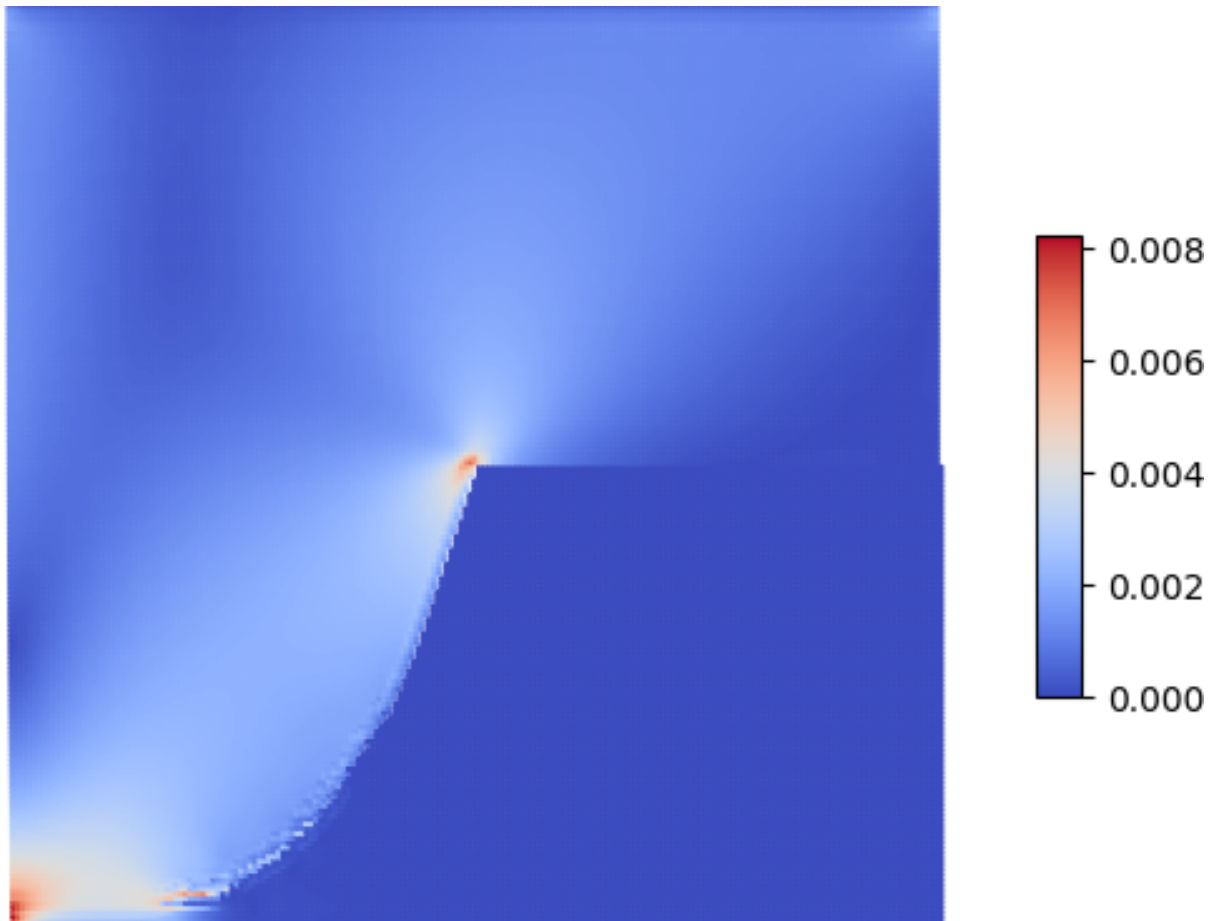
Run Name: run0

Solution Output: out_0_50

Field: e-eq

min-e-eq: 0.0

max-e-eq: 0.00823203



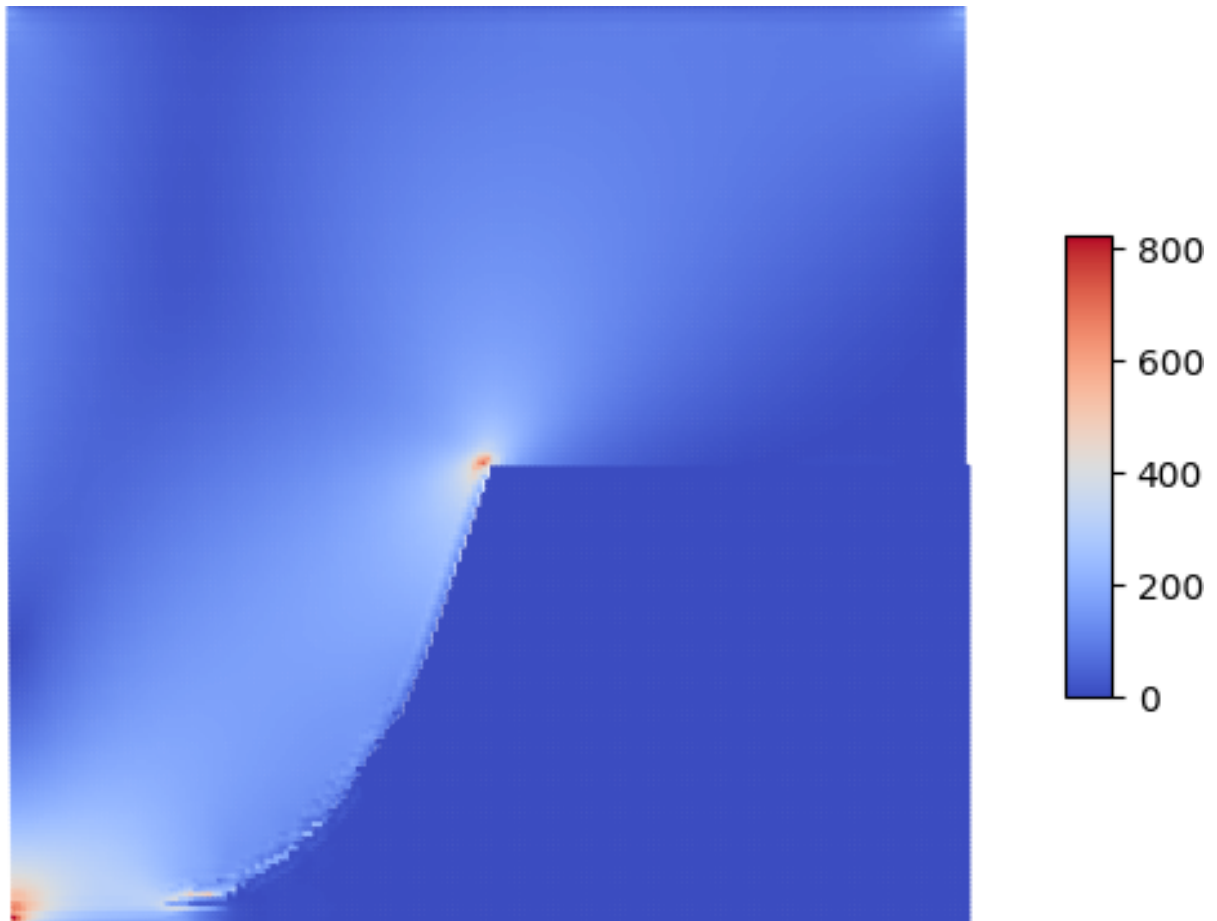
Run Name: run0

Solution Output: out_0_50

Field: s-eq

min-s-eq: 0.0

max-s-eq: 821.498



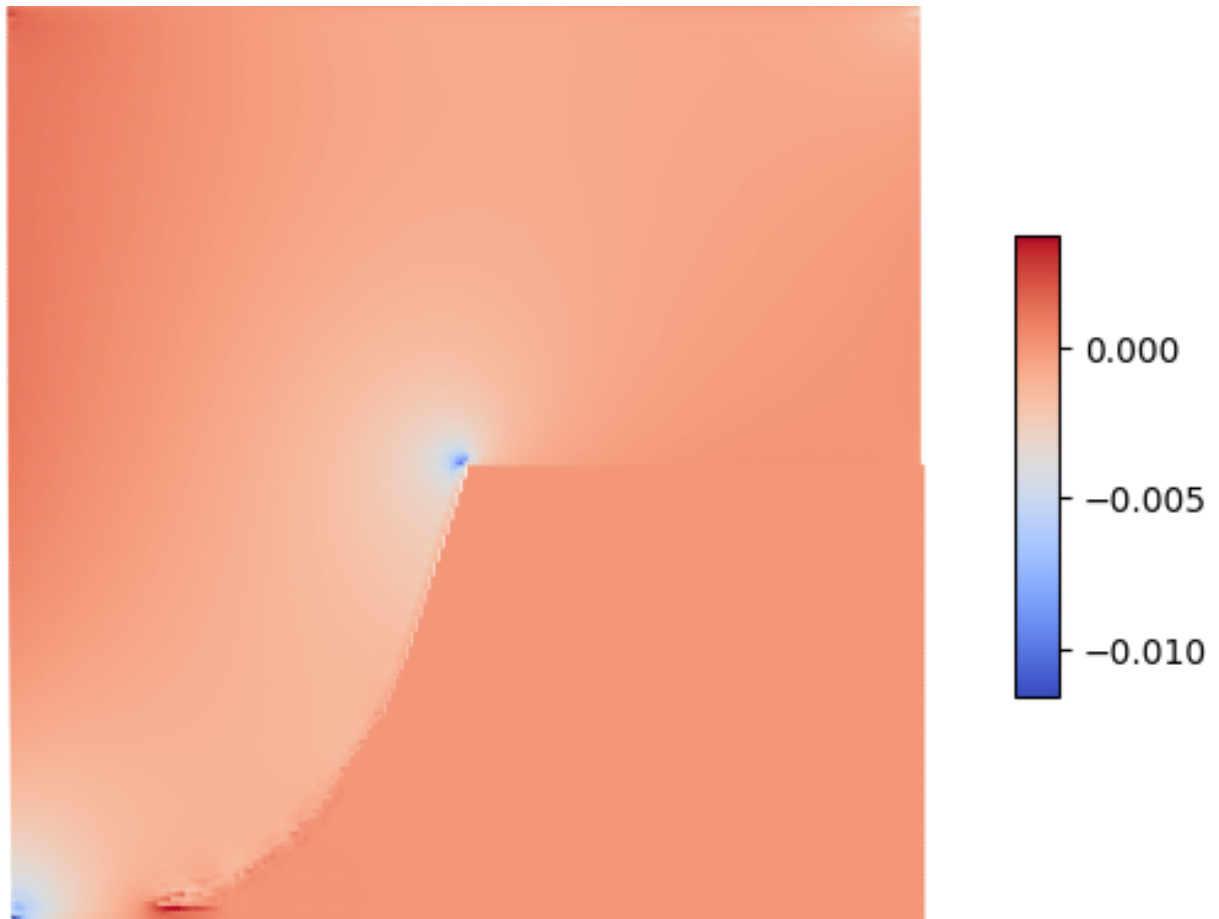
Run Name: run0

Solution Output: out_0_50

Field: e-vol

min-e-vol: -0.0115376

max-e-vol: 0.00370409



Run Name: run0

Solution Output: out_0_50

Field: damage-ini

min-damage-ini: 0.0

max-damage-ini: 1.0



Run Name: run0

Solution Output: out_0_50

Field: damage

min-damage: 0.0

max-damage: 1.0

