



Simulation Summary Report

Project Title: Semi-Circular Bend

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

Created By: pmasscasestudies

Project Created: 07/14/2023-11:02

Report Created: 10/31/2023-10:27

Analysis Type: Fracture Analysis

Solver: quasi-static

Dimension: 2

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Undeformed Grid

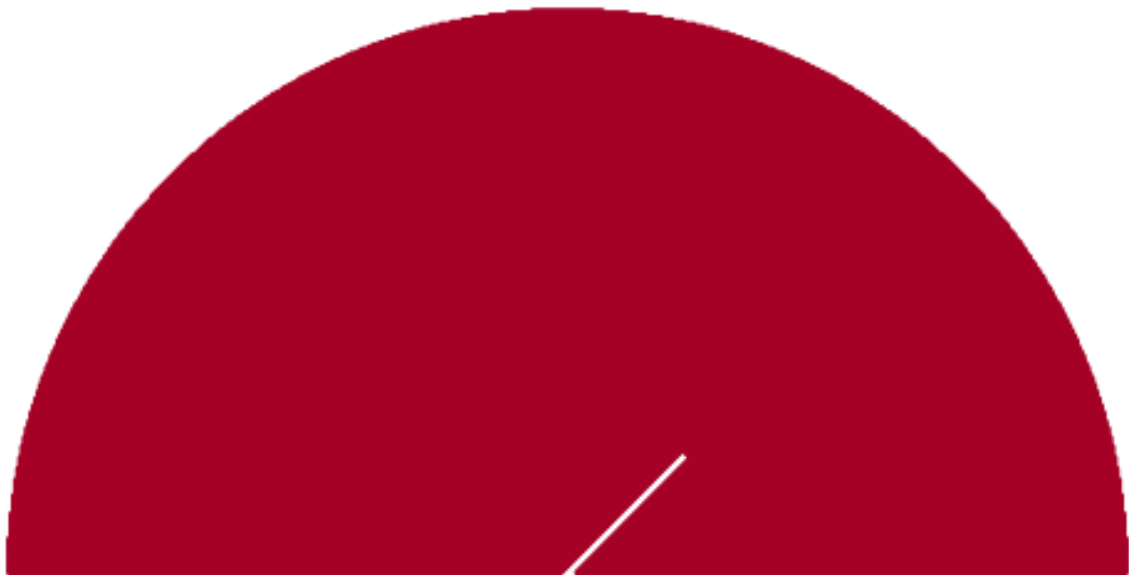
Number of Points: 97809

min-x: -49.9

max-x: 49.900000000000001

min-y: 0.100000000000000142

max-y: 49.900000000000001



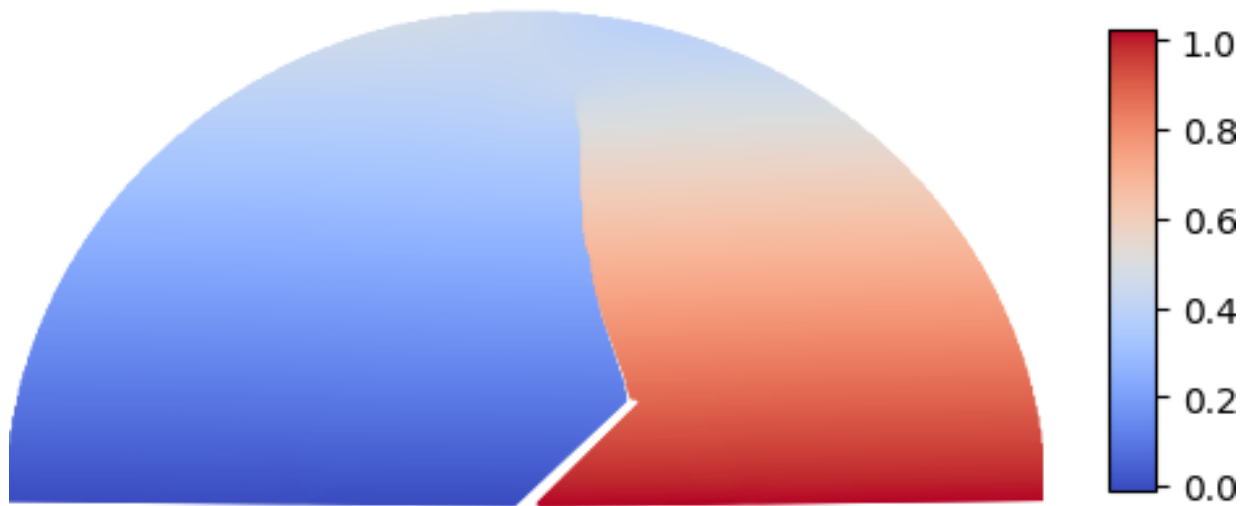
Run Name: run0

Solution Output: out_0_235_800

Field: u-x

min-u-x: -0.00760994

max-u-x: 1.02573



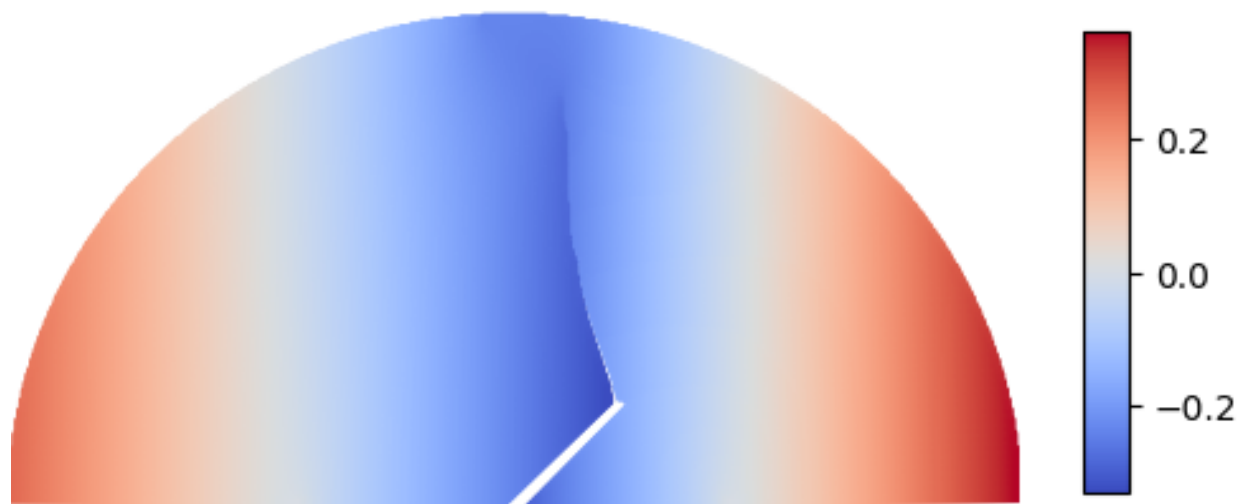
Run Name: run0

Solution Output: out_0_235_800

Field: u-y

min-u-y: -0.327308

max-u-y: 0.359458



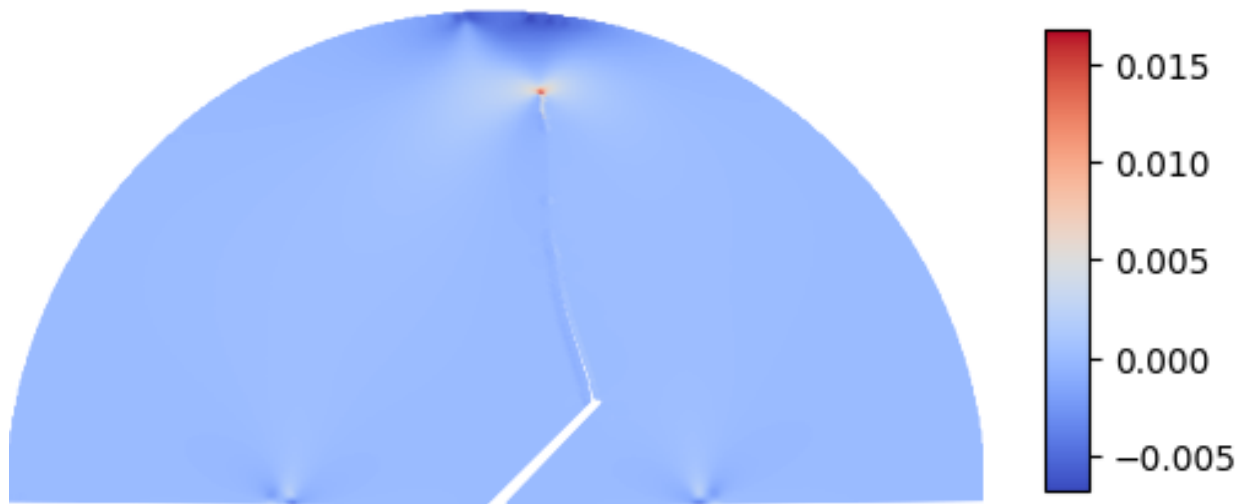
Run Name: run0

Solution Output: out_0_235_800

Field: e-x

min-e-x: -0.00675517

max-e-x: 0.016767



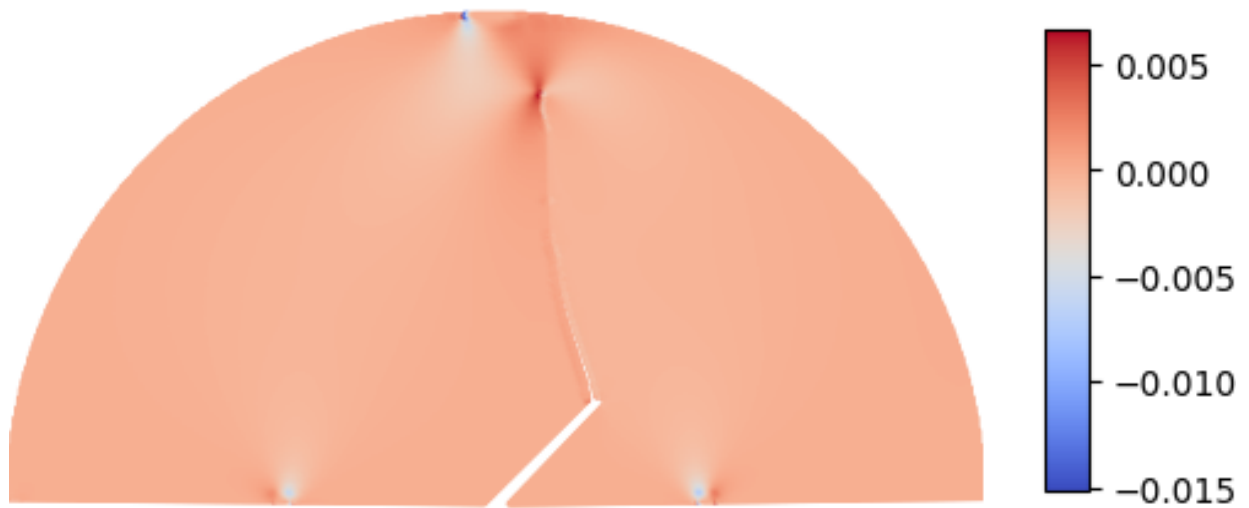
Run Name: run0

Solution Output: out_0_235_800

Field: e-y

min-e-y: -0.0150927

max-e-y: 0.00667072



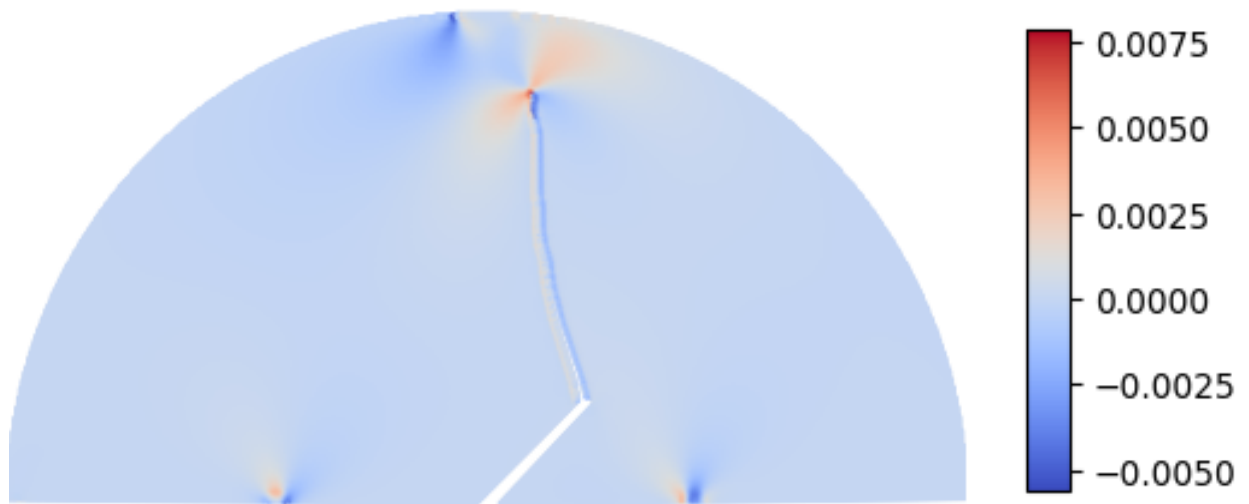
Run Name: run0

Solution Output: out_0_235_800

Field: e-xy

min-e-xy: -0.00558073

max-e-xy: 0.00786241



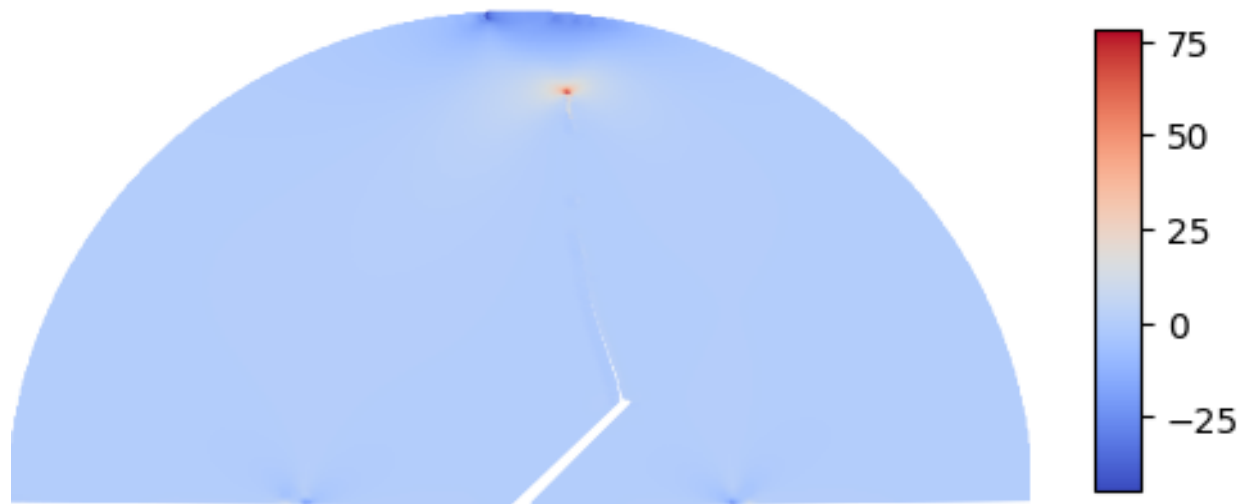
Run Name: run0

Solution Output: out_0_235_800

Field: s-x

min-s-x: -44.338

max-s-x: 78.2073



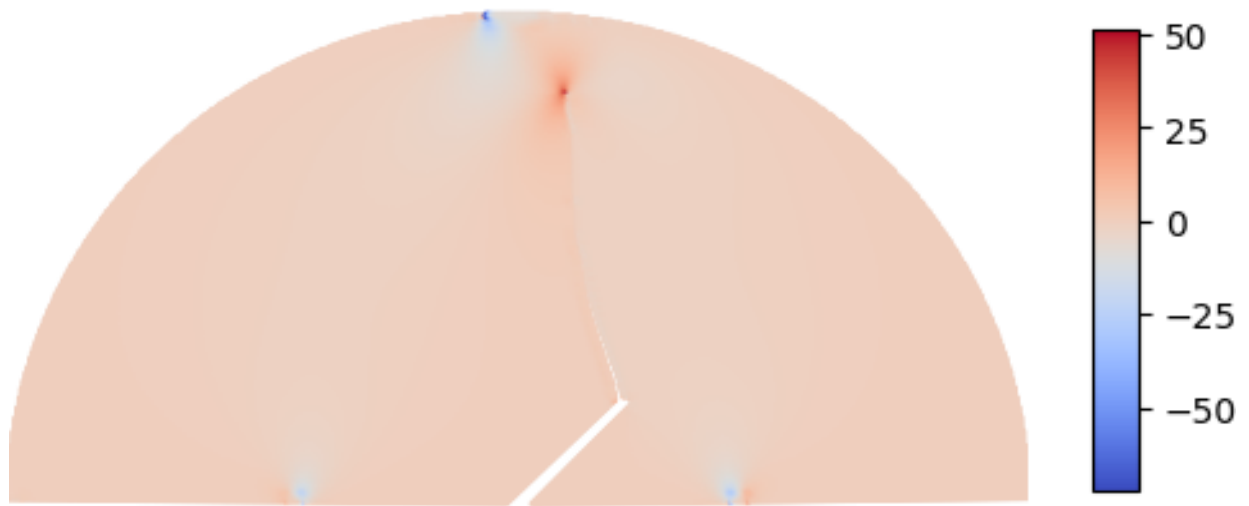
Run Name: run0

Solution Output: out_0_235_800

Field: s-y

min-s-y: -72.1158

max-s-y: 51.5068



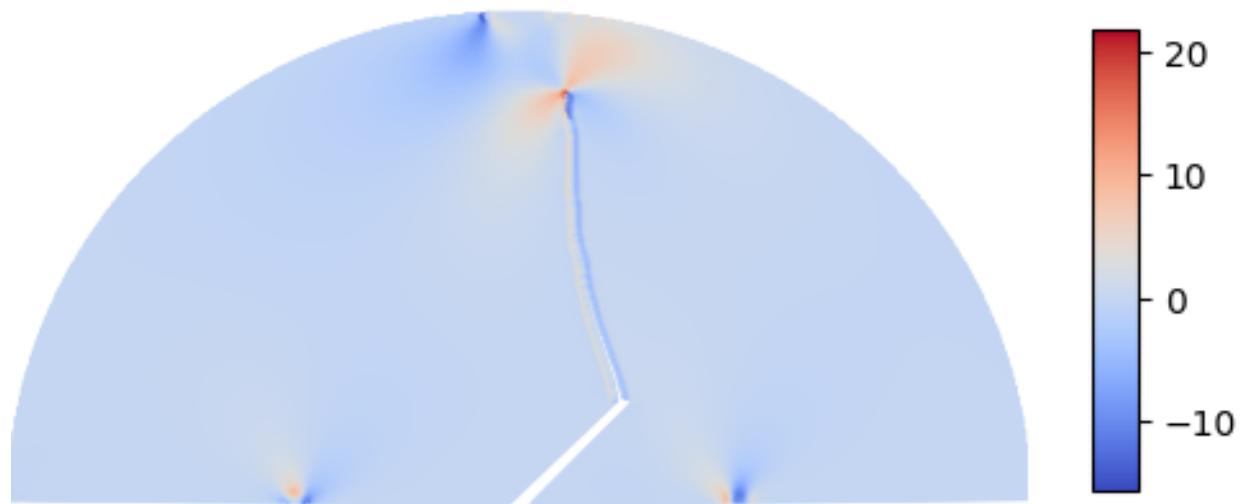
Run Name: run0

Solution Output: out_0_235_800

Field: s-xy

min-s-xy: -15.502

max-s-xy: 21.84



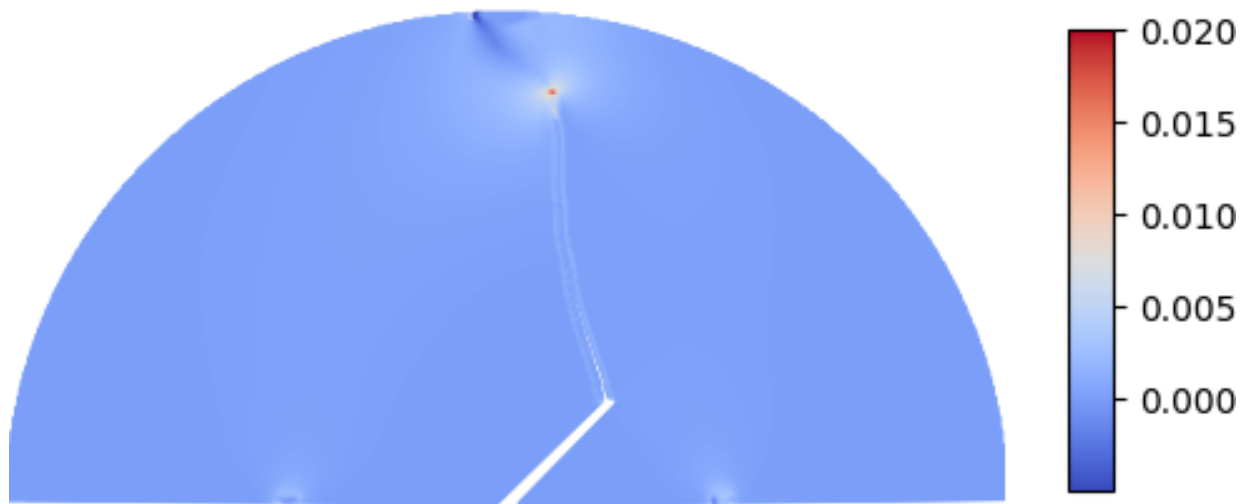
Run Name: run0

Solution Output: out_0_235_800

Field: e-p1

min-e-p1: -0.0049648

max-e-p1: 0.0200108



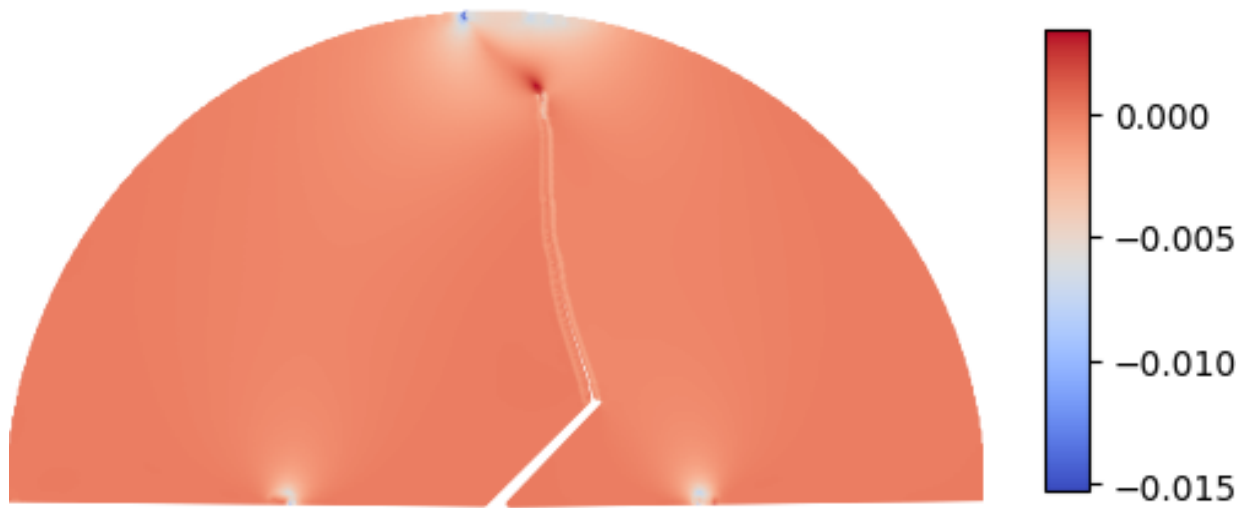
Run Name: run0

Solution Output: out_0_235_800

Field: e-p2

min-e-p2: -0.0152205

max-e-p2: 0.0034174



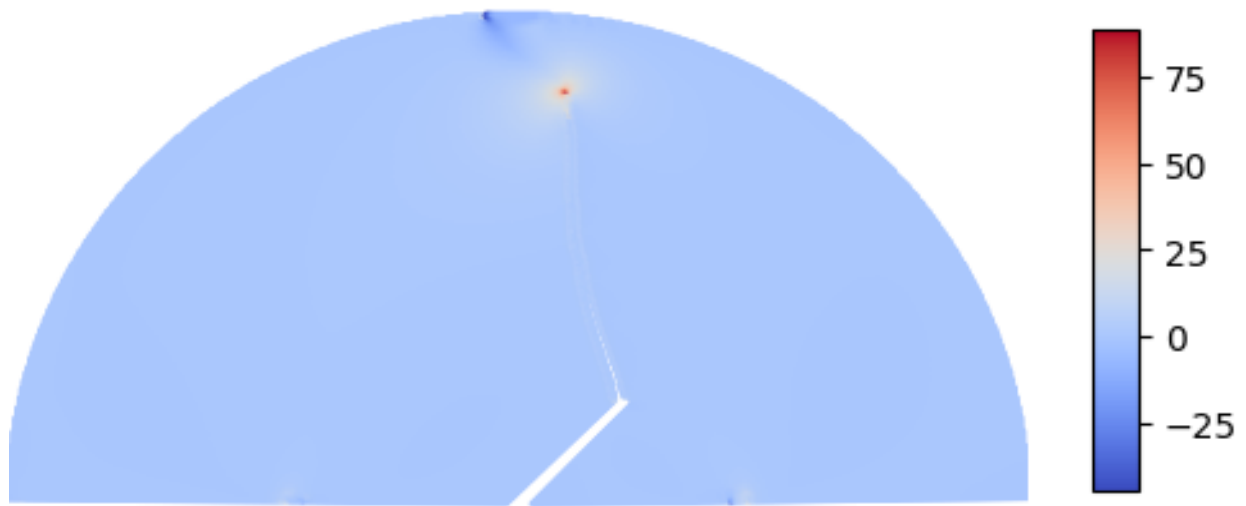
Run Name: run0

Solution Output: out_0_235_800

Field: s-p1

min-s-p1: -43.9828

max-s-p1: 88.5625



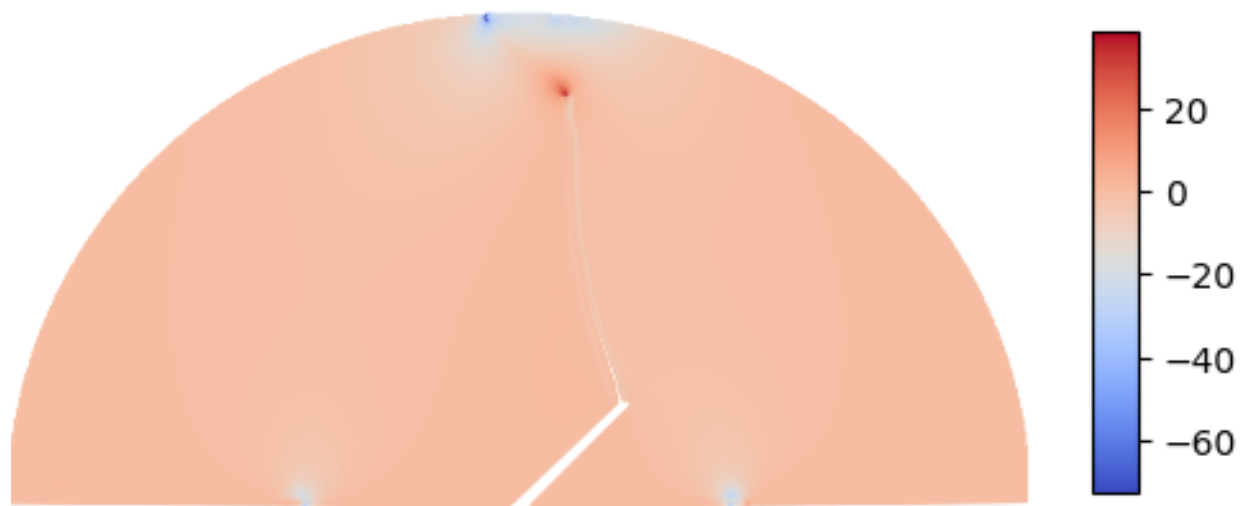
Run Name: run0

Solution Output: out_0_235_800

Field: s-p2

min-s-p2: -72.471

max-s-p2: 38.6347



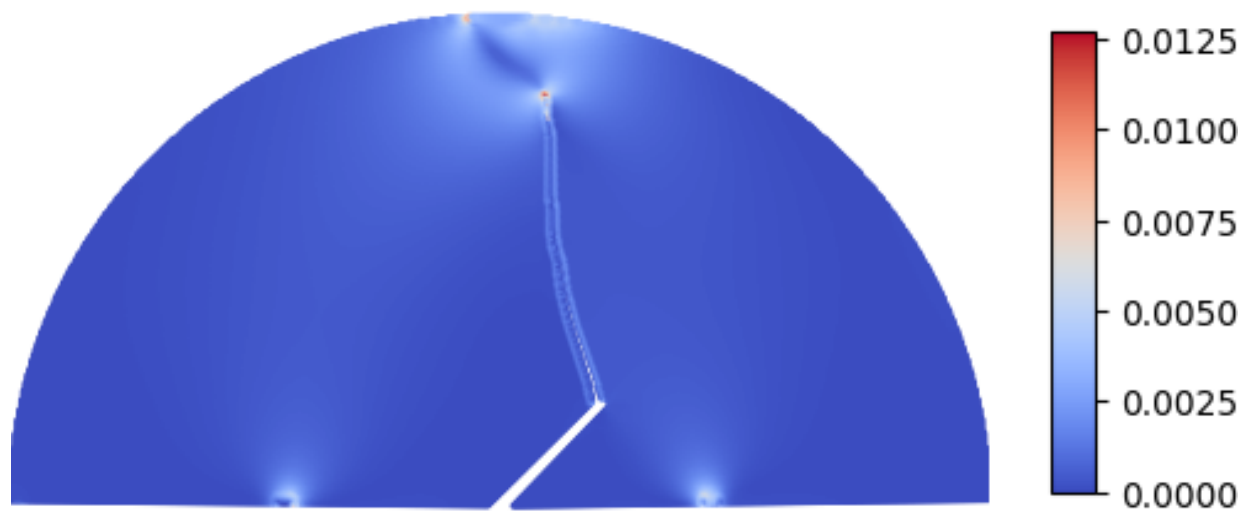
Run Name: run0

Solution Output: out_0_235_800

Field: e-eq

min-e-eq: 0.0

max-e-eq: 0.0127161



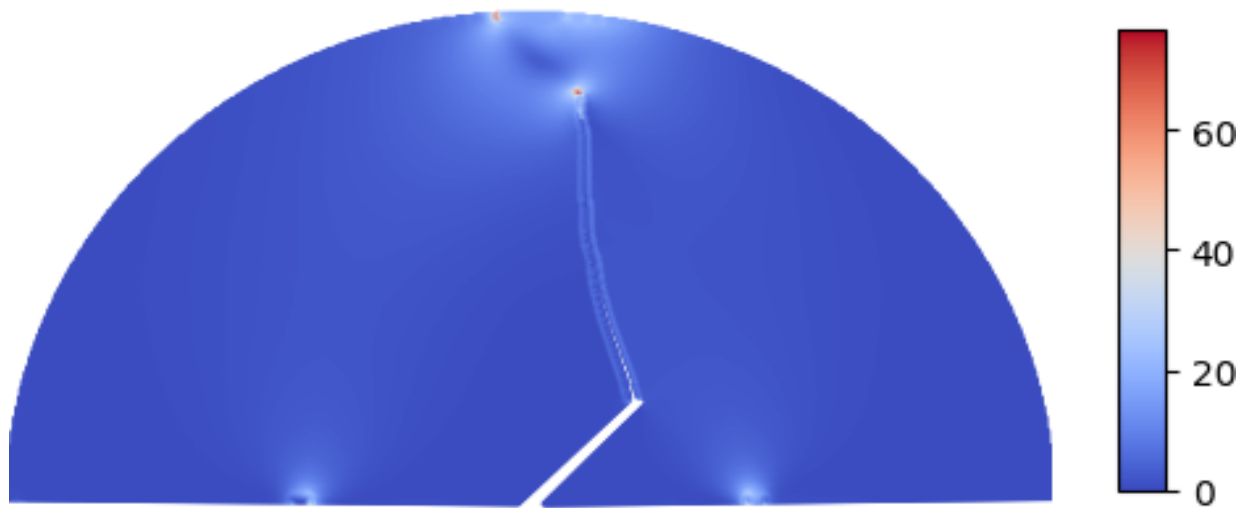
Run Name: run0

Solution Output: out_0_235_800

Field: s-eq

min-s-eq: 0.0

max-s-eq: 76.9049



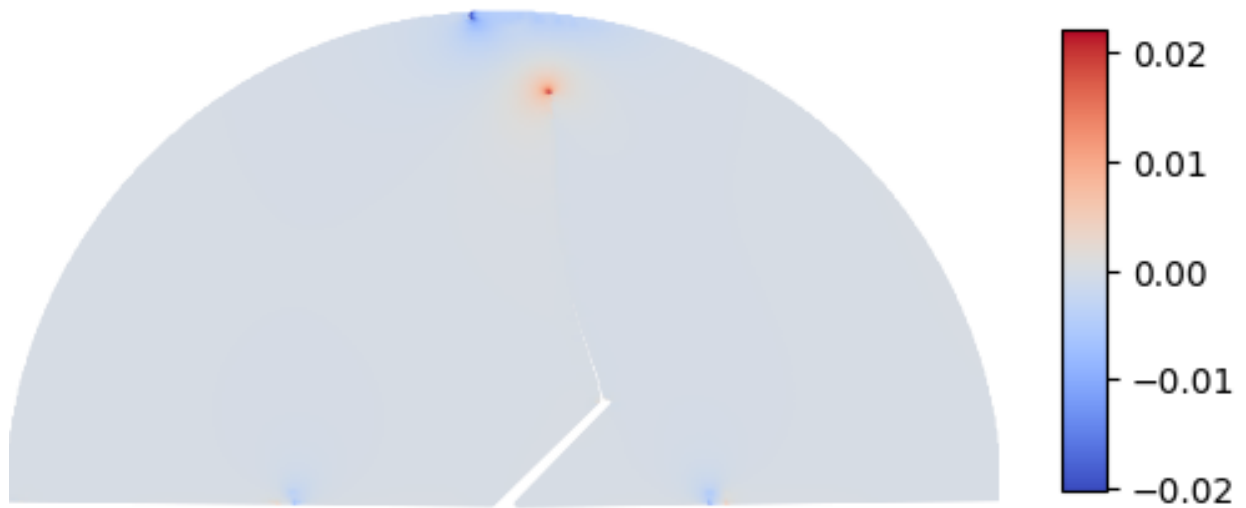
Run Name: run0

Solution Output: out_0_235_800

Field: e-vol

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max-e-vol: 0.0221501



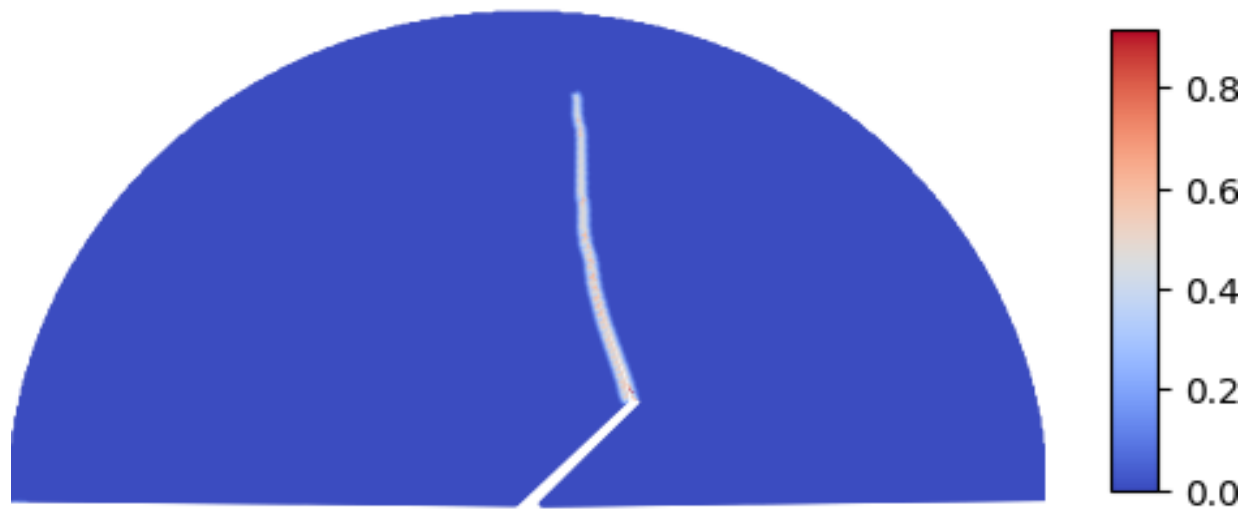
Run Name: run0

Solution Output: out_0_235_800

Field: damage-ini

min-damage-ini: 0.0

max-damage-ini: 0.916667



Run Name: run0

Solution Output: out_0_235_800

Field: damage

min-damage: 0.0

max-damage: 0.916667

