



## **Simulation Summary Report**

Project Title: Fracture in lamina

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

Created By: pmasscasestudies

Project Created: 02/16/2023-20:29

Report Created: 10/31/2023-10:19

Analysis Type: Fracture Analysis

Solver: quasi-static

Dimension: 2

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**Undeformed Grid**

Number of Points: 62500

min-x: 0.2

max-x: 99.80000000000001

min-y: 0.2

max-y: 99.80000000000001



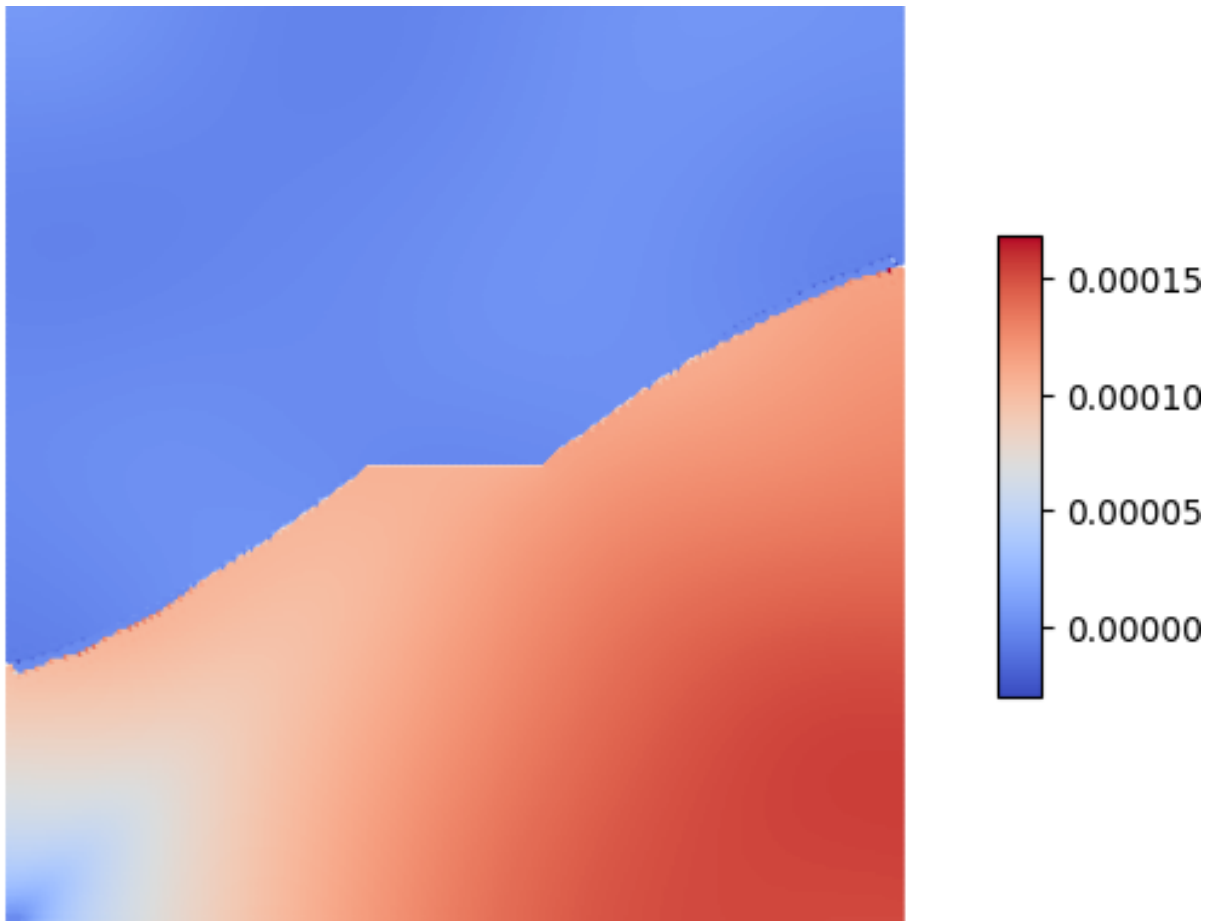
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: u-x

min-u-x: -3.00945e-05

max-u-x: 0.00016848



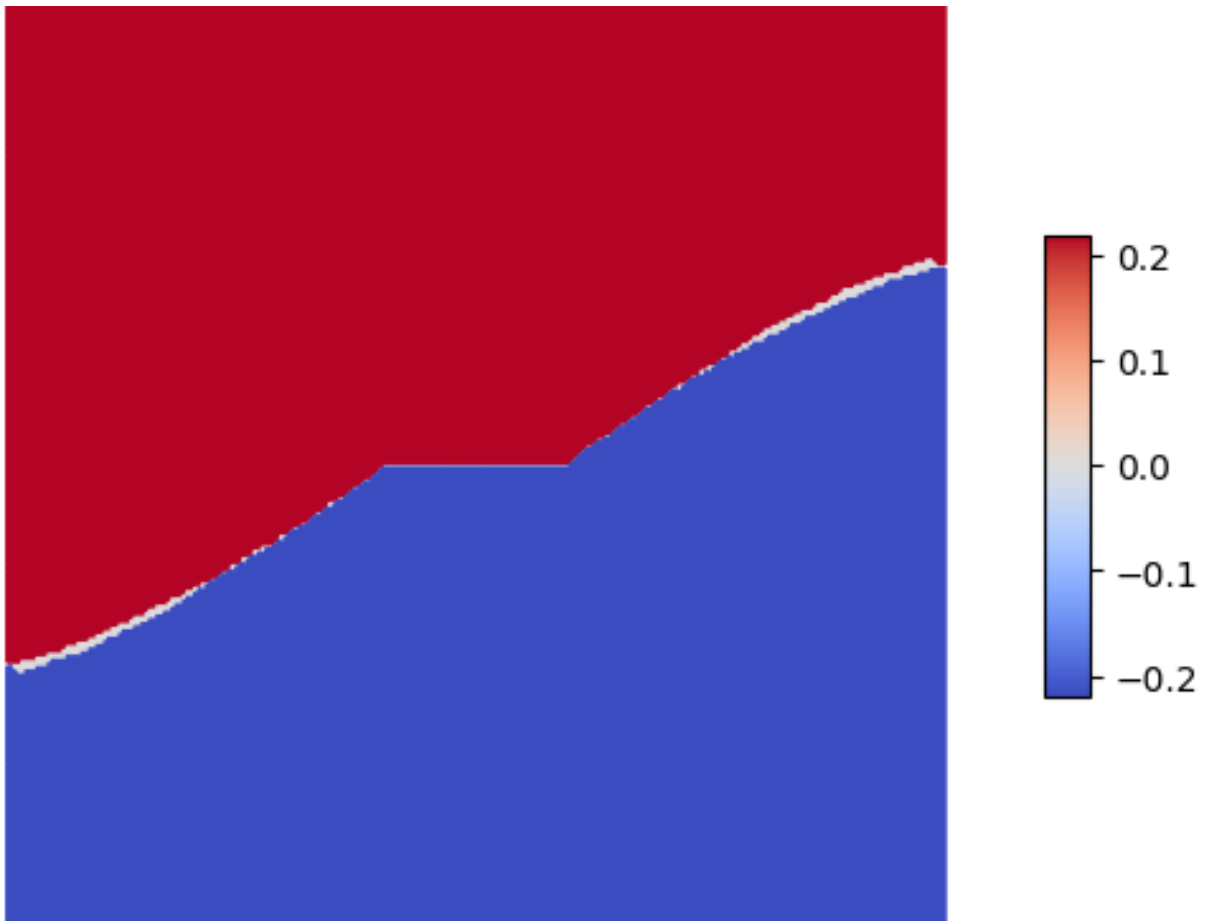
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: u-y

min-u-y: -0.218457

max-u-y: 0.218429



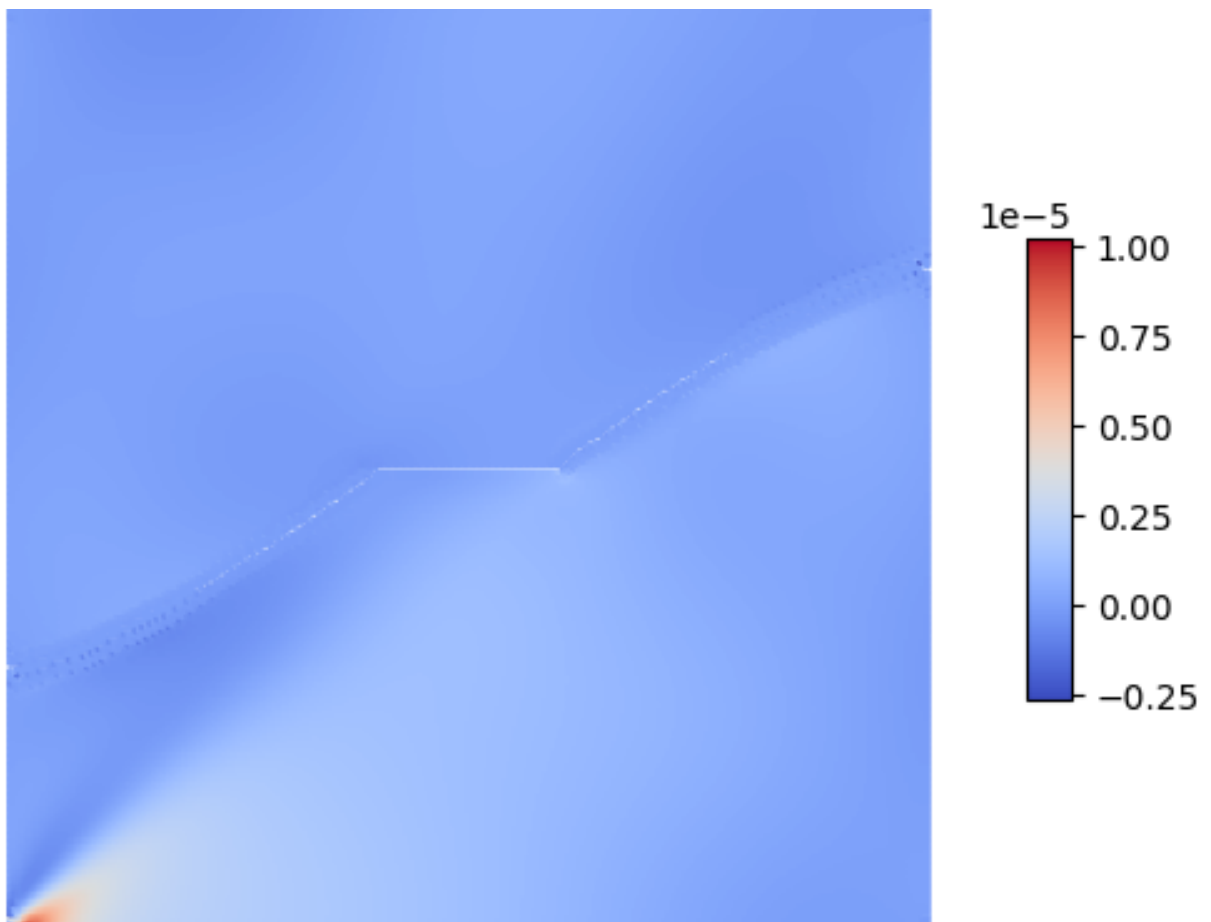
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: e-x

min-e-x: -2.59637e-06

max-e-x: 1.023e-05



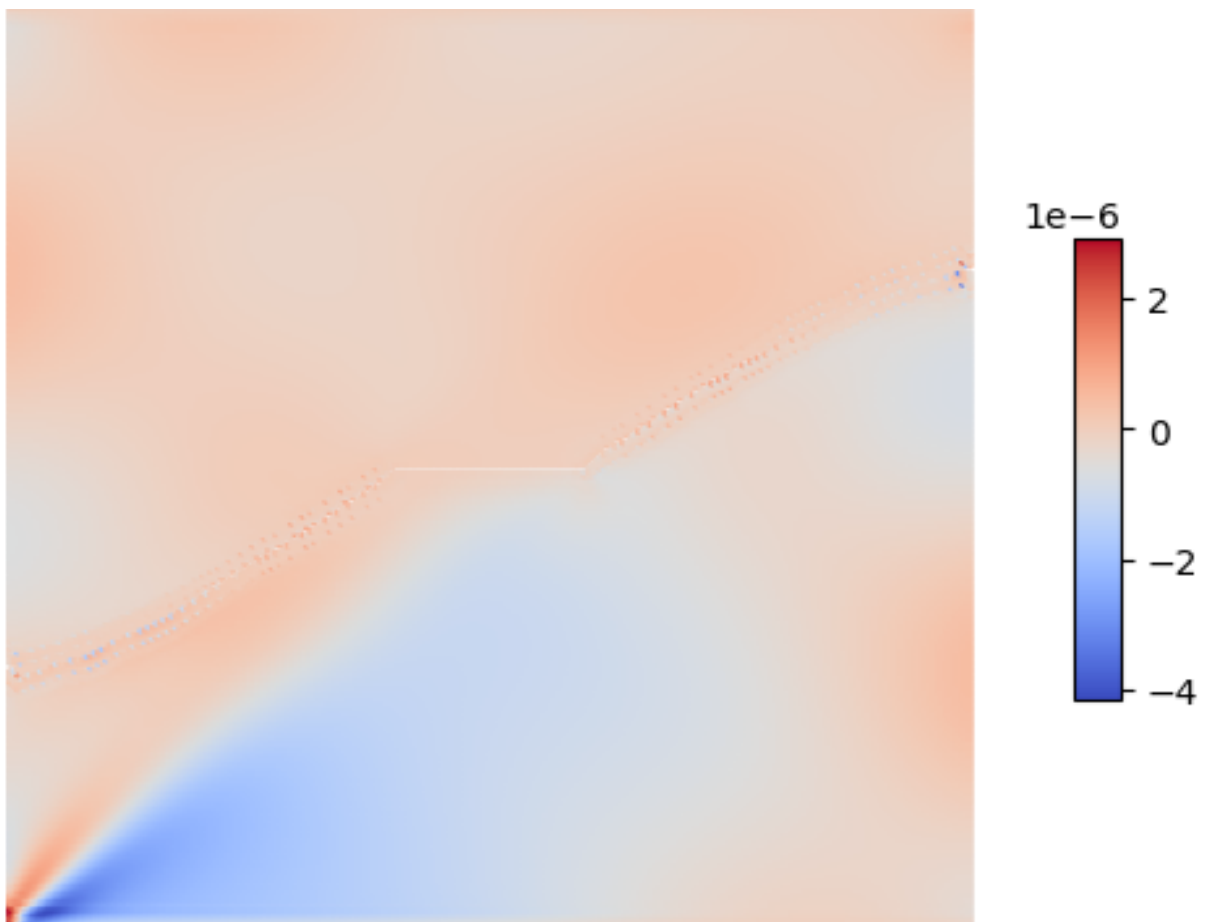
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: e-y

min-e-y: -4.1415e-06

max-e-y: 2.93312e-06



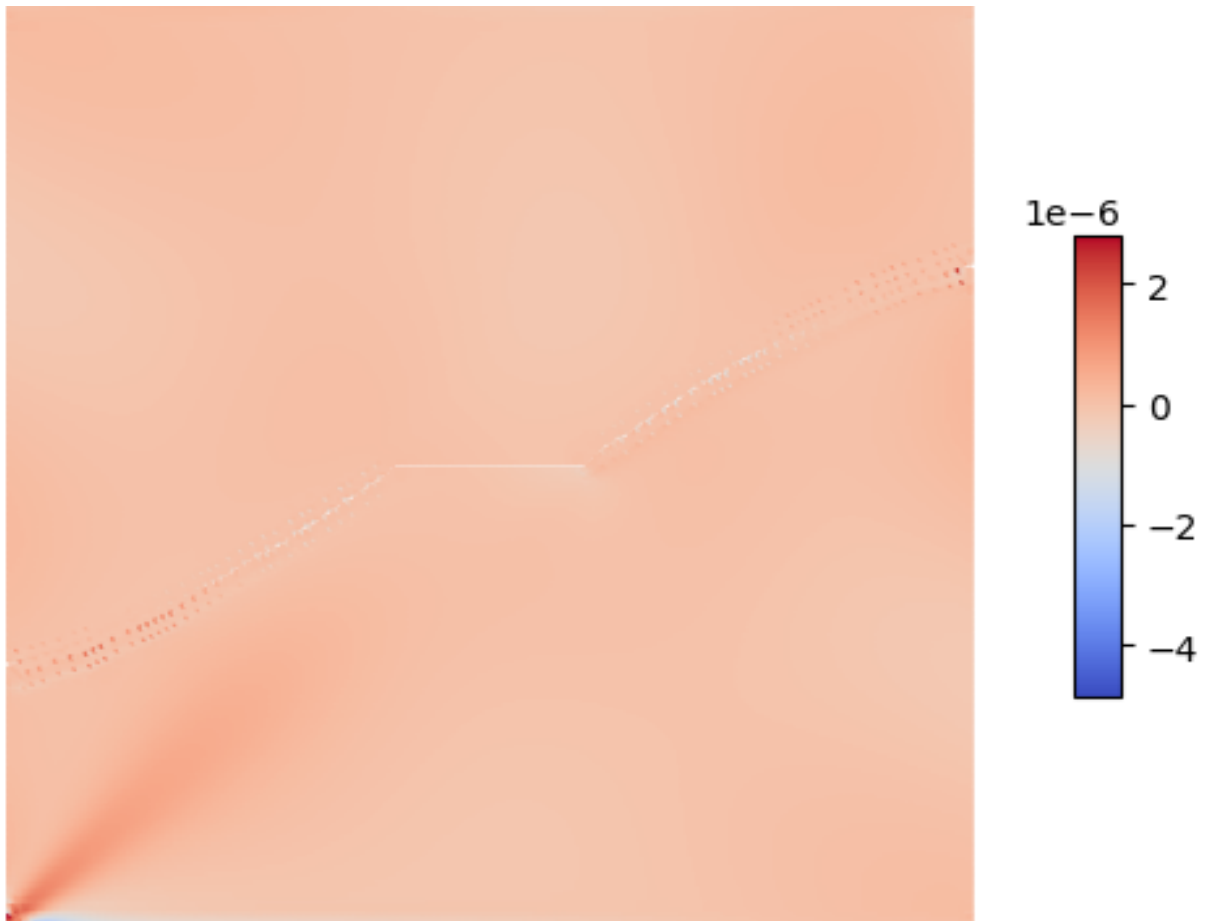
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: e-xy

min-e-xy: -4.83277e-06

max-e-xy: 2.81419e-06





**Run Name: run0**

**Solution Output: out\_1\_260**

Field: s-x

min-s-x: -0.0442465

max-s-x: 0.487595



**Run Name: run0**

**Solution Output: out\_1\_260**

Field: s-y

min-s-y: -0.0275964

max-s-y: 0.473719



**Run Name: run0**

**Solution Output: out\_1\_260**

Field: s-xy

min-s-xy: -0.0448209

max-s-xy: 0.463398



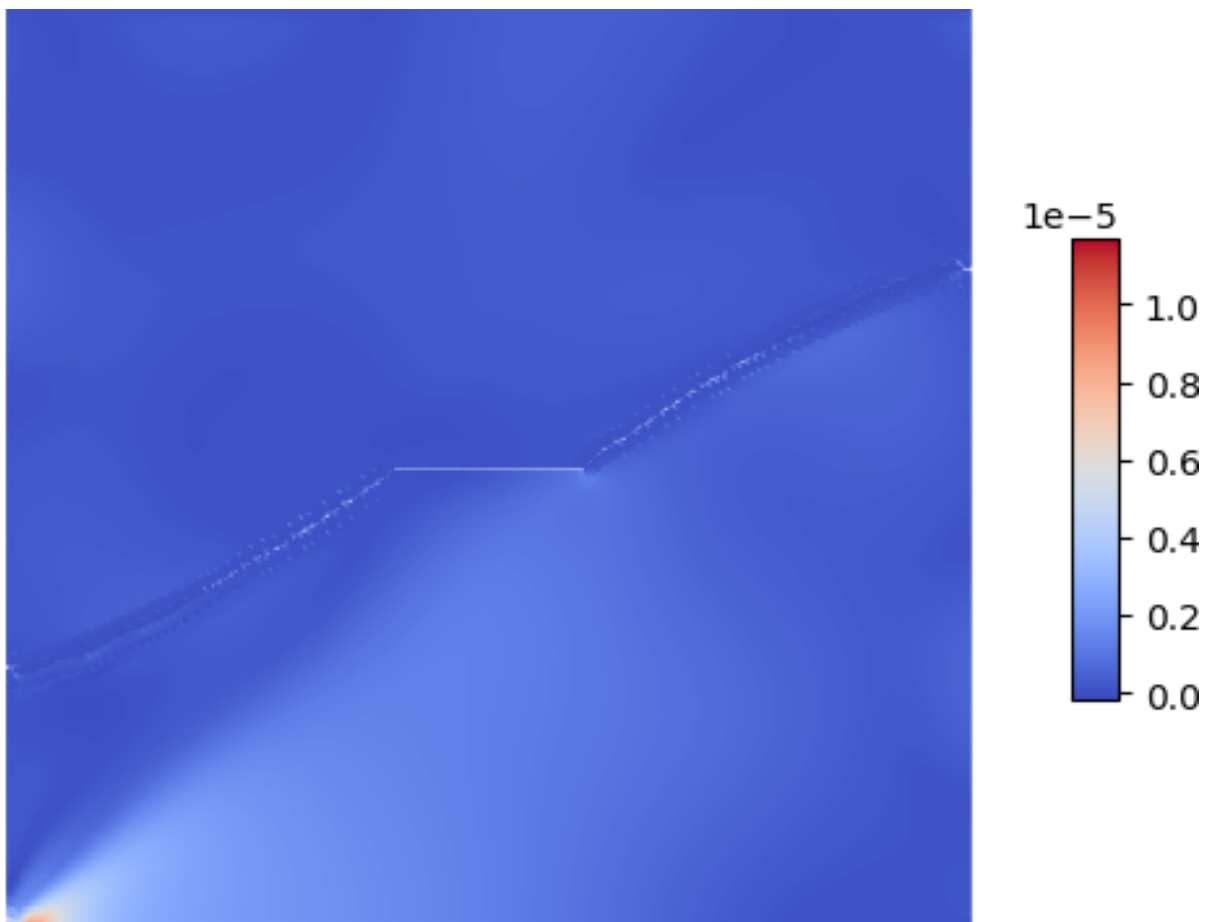
**Run Name:** run0

**Solution Output:** out\_1\_260

Field: e-p1

min-e-p1: -1.38828e-07

max-e-p1: 1.17114e-05



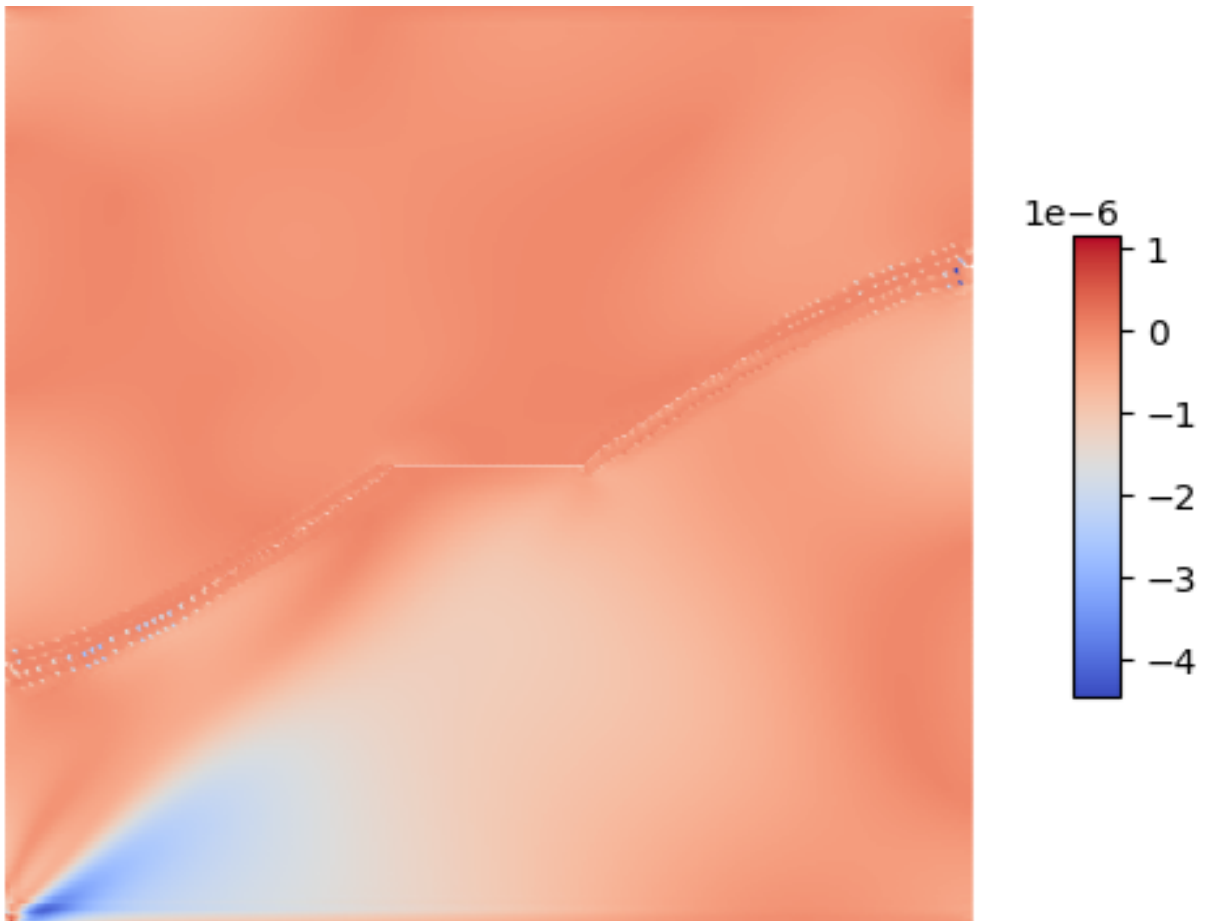
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: e-p2

min-e-p2: -4.44582e-06

max-e-p2: 1.16925e-06



**Run Name: run0**

**Solution Output: out\_1\_260**

Field: s-p1

min-s-p1: -0.0208165

max-s-p1: 0.944107



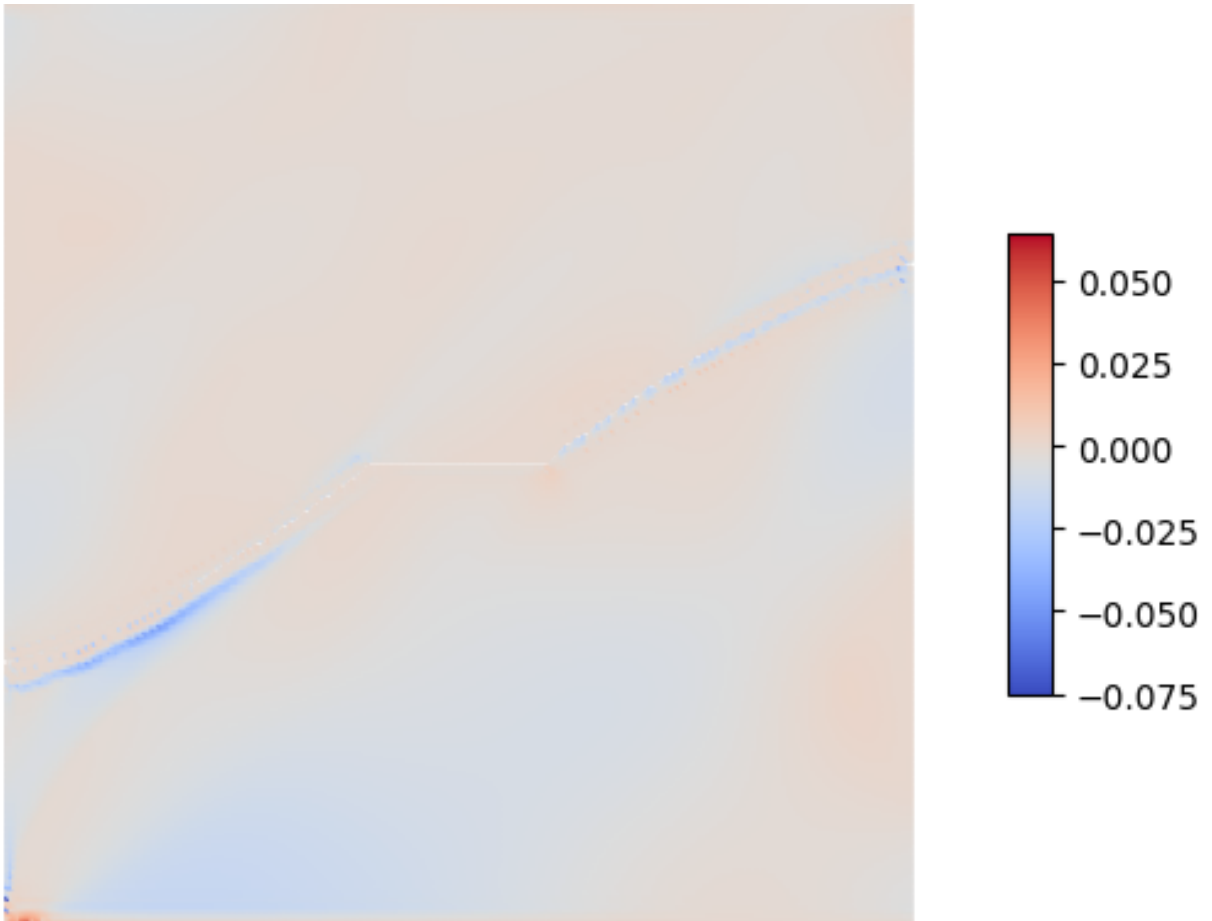
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: s-p2

min-s-p2: -0.0750494

max-s-p2: 0.0647802



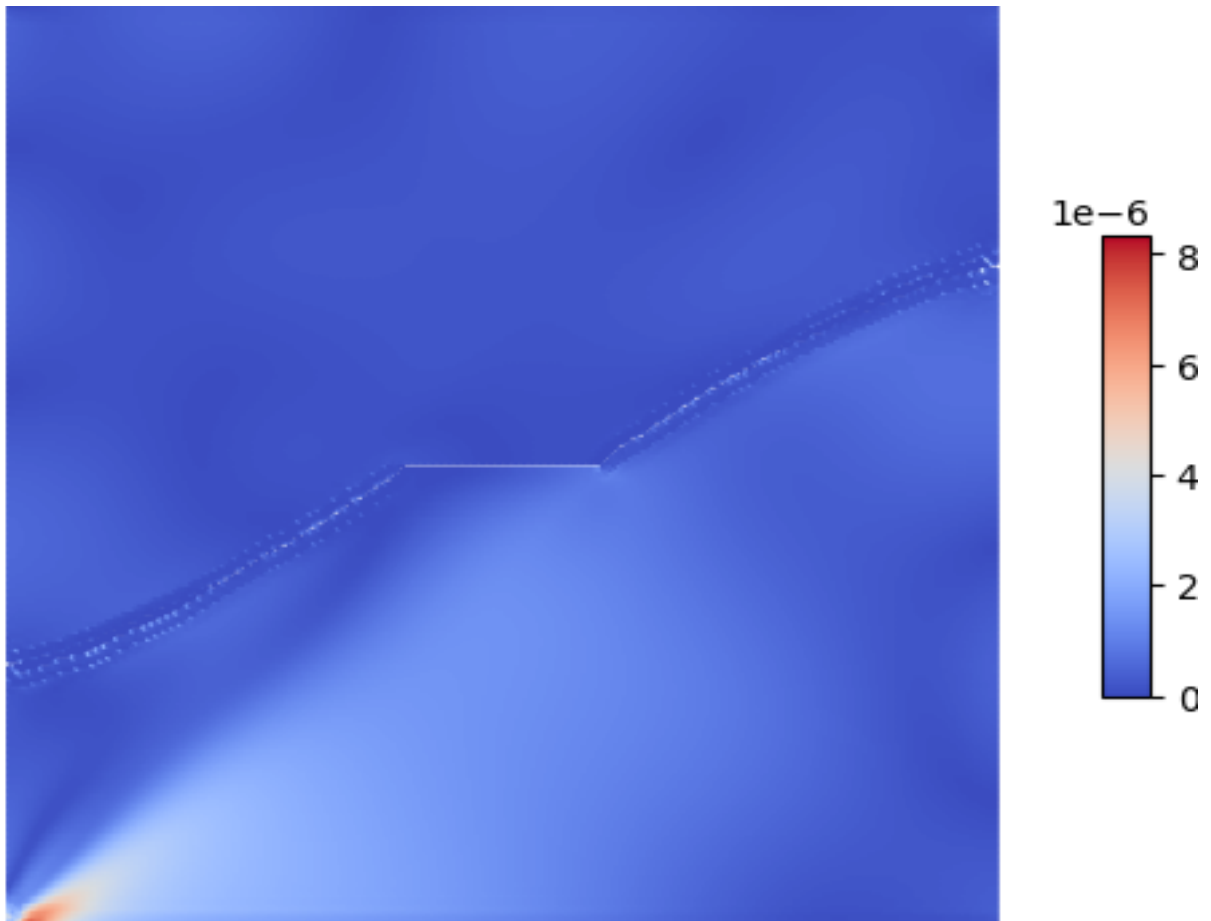
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: e-eq

min-e-eq: 0.0

max-e-eq: 8.34539e-06





**Run Name: run0**

**Solution Output: out\_1\_260**

Field: s-eq

min-s-eq: 0.0

max-s-eq: 0.935622



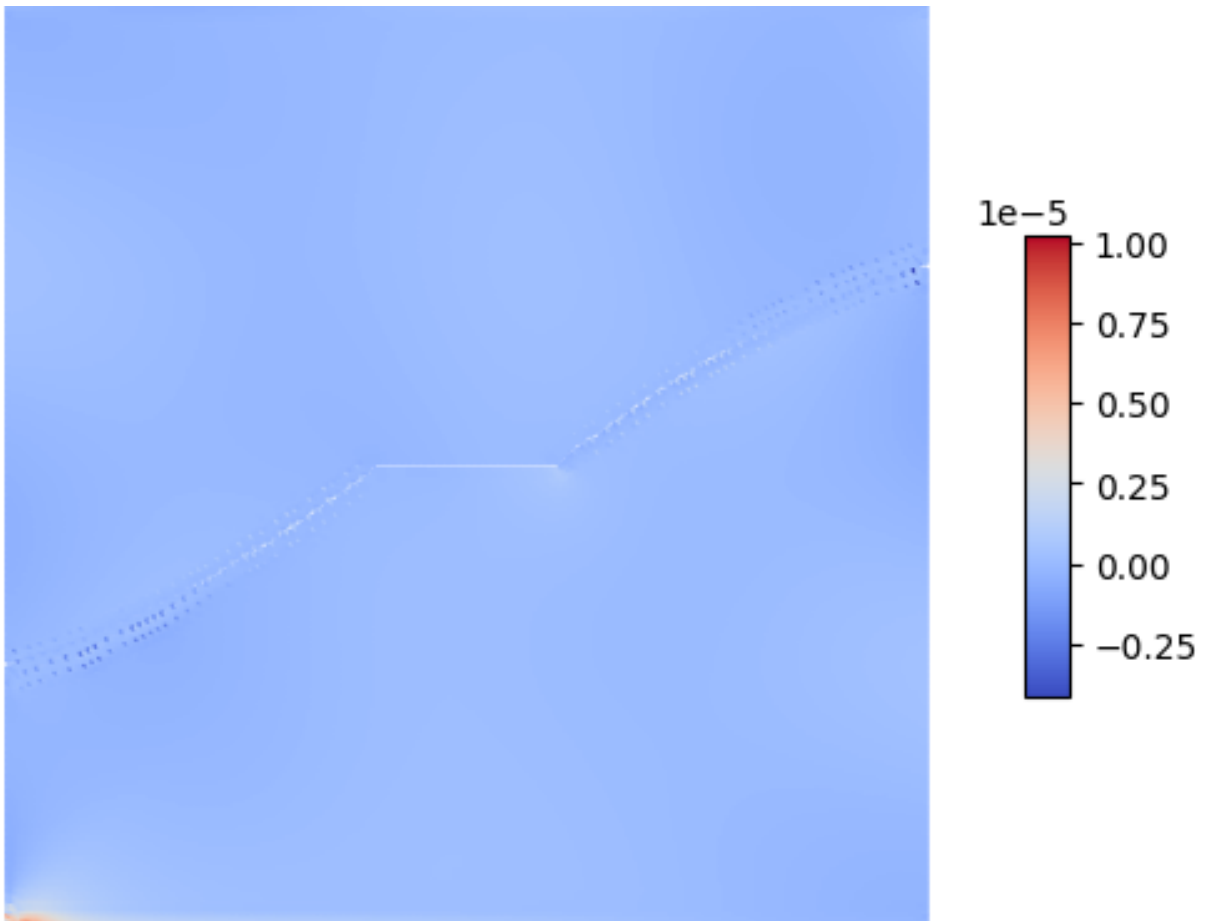
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: e-vol

min-e-vol: -4.10122e-06

max-e-vol: 1.023e-05



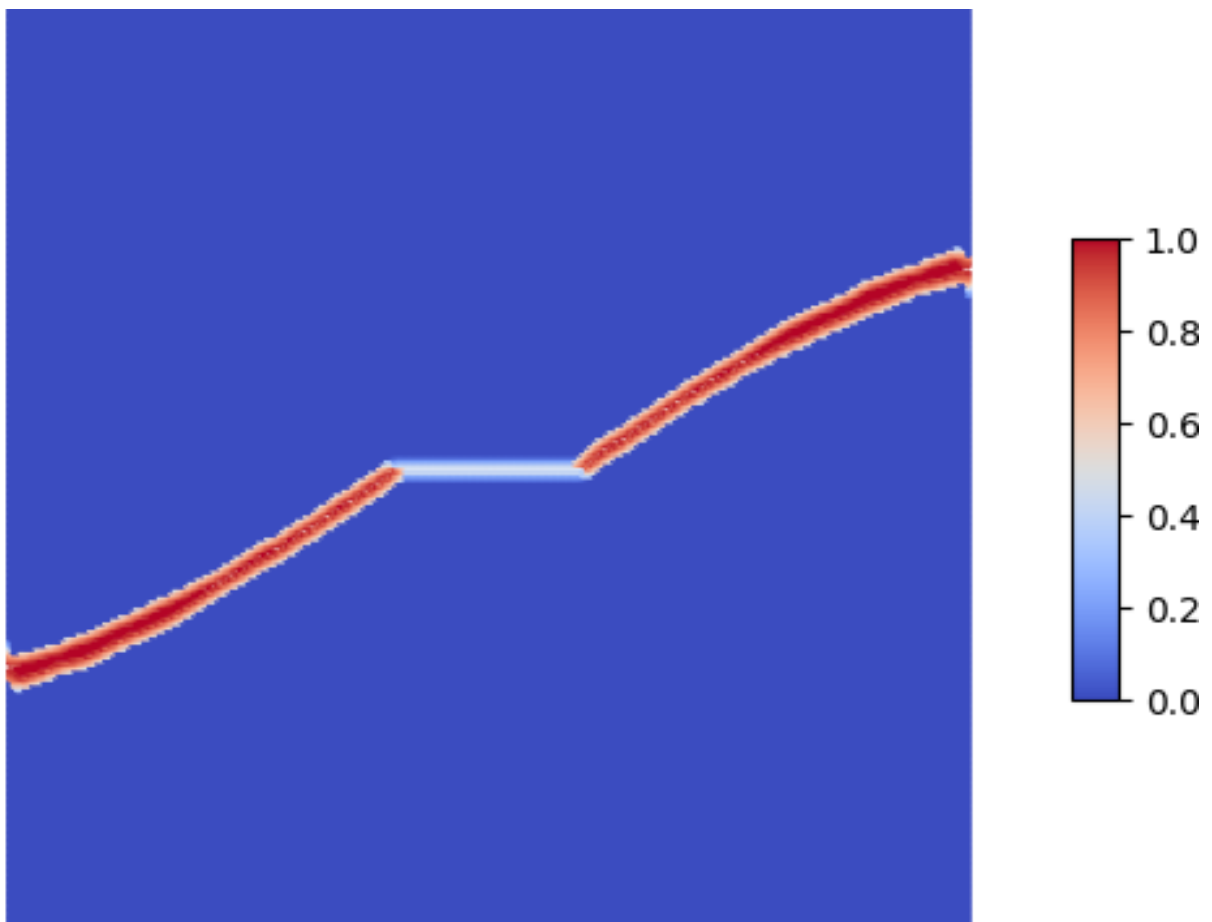
**Run Name: run0**

**Solution Output: out\_1\_260**

Field: damage-ini

min-damage-ini: 0.0

max-damage-ini: 1.0



**Run Name: run0**

**Solution Output: out\_1\_260**

Field: damage

min-damage: 0.0

max-damage: 1.0

