



## **Simulation Summary Report**

Project Title: L-Shape Support

Description: Stress Analysis, 3D, Isotropic, Quasi-Static

Created By: pmasscasestudies

Project Created: 06/23/2023-10:42

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

Analysis Type: Stress Analysis

Solver: quasi-static

Dimension: 3

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### Undeformed Grid

Number of Points: 105000

min-x: 0.25

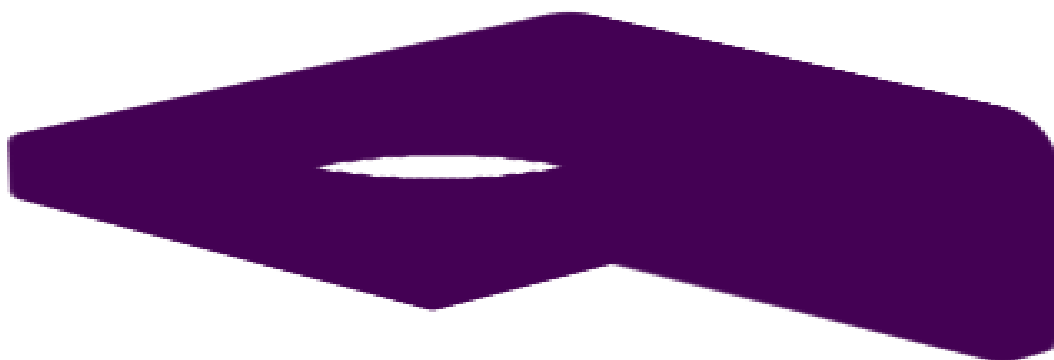
max-x: 59.75

min-y: 0.24999999999999994

max-y: 39.75

min-z: 0.25

max-z: 24.75



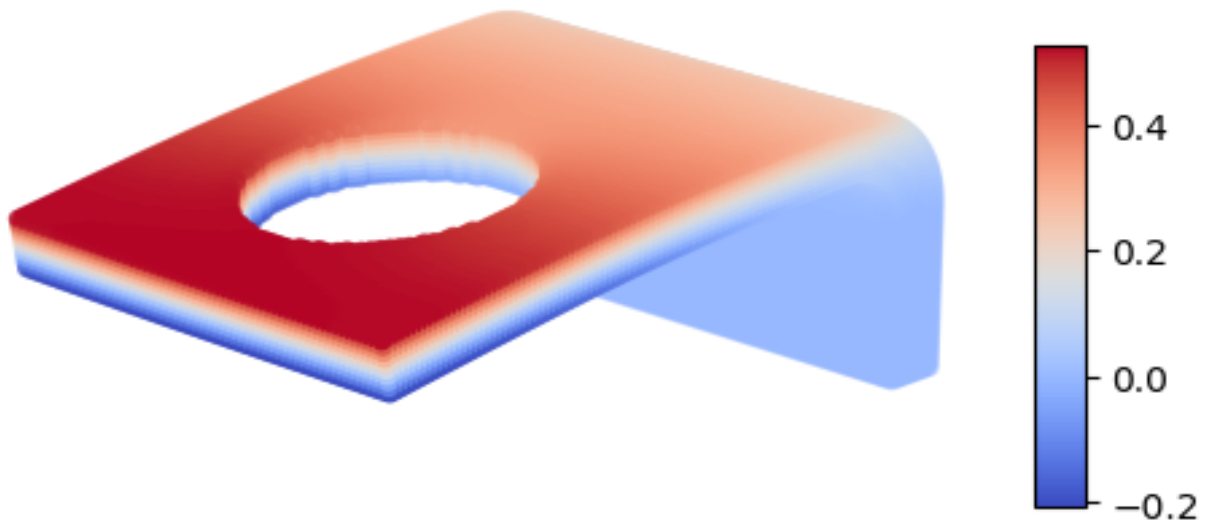
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: u-x

min-u-x: -0.204589

max-u-x: 0.525425



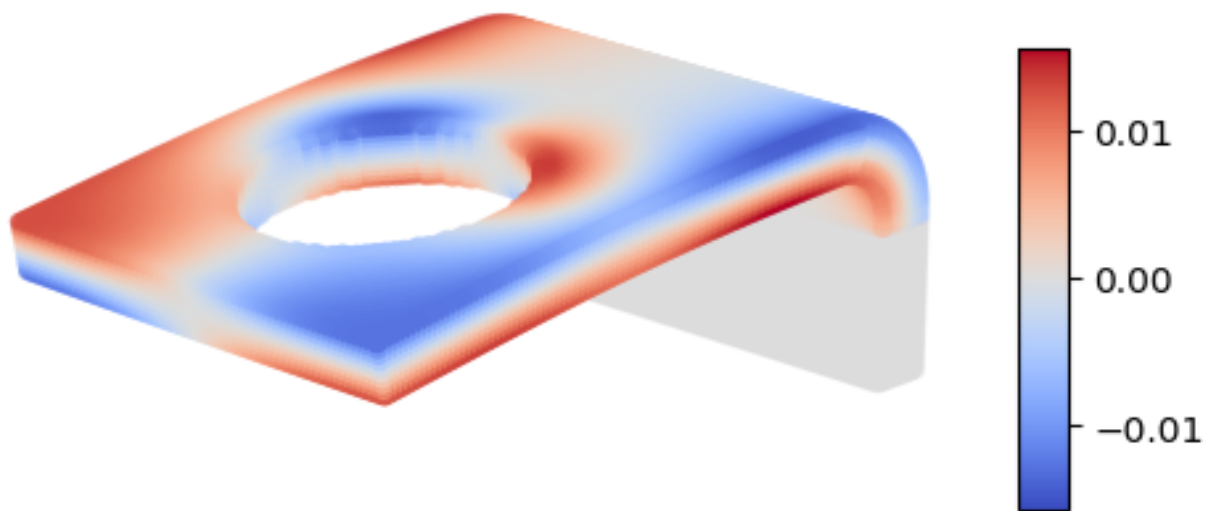
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: u-y

min-u-y: -0.0156046

max-u-y: 0.0156046



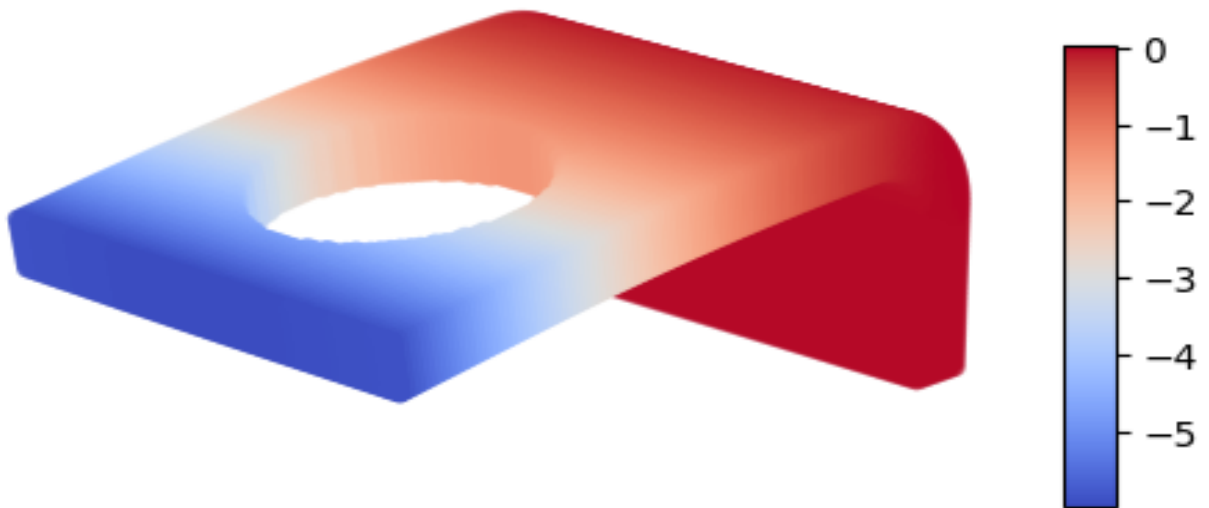
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: u-z

min-u-z: -5.96922

max-u-z: 0.0295559



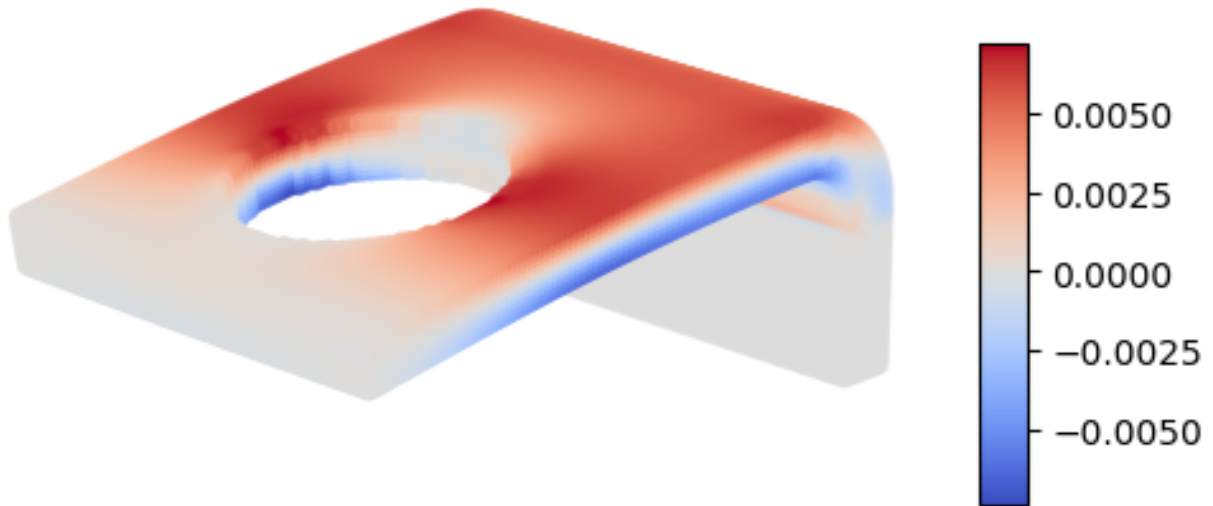
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-x

min-e-x: -0.00730353

max-e-x: 0.0071914



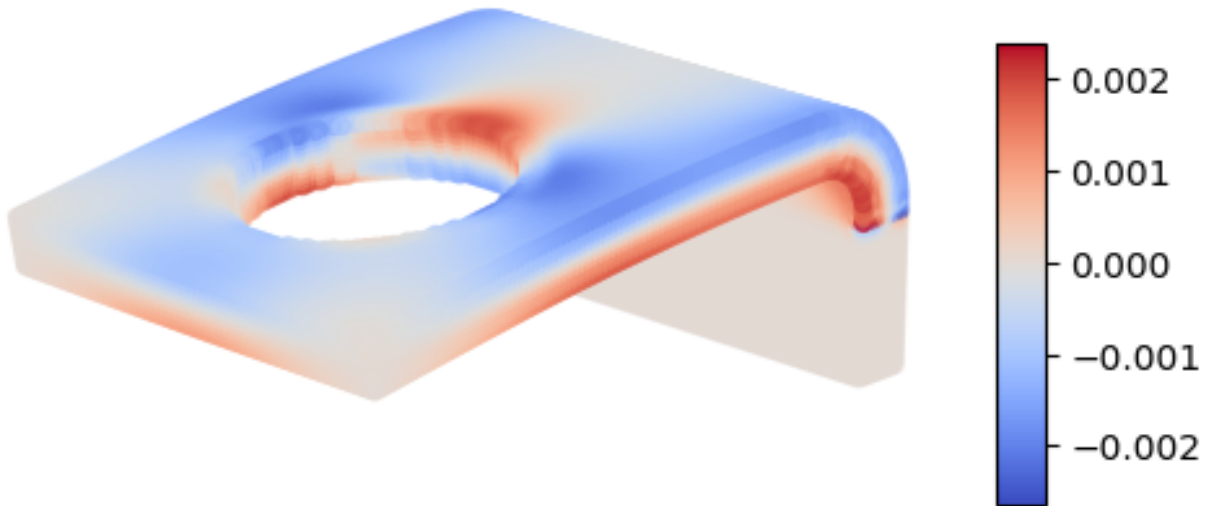
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-y

min-e-y: -0.002629

max-e-y: 0.00238088



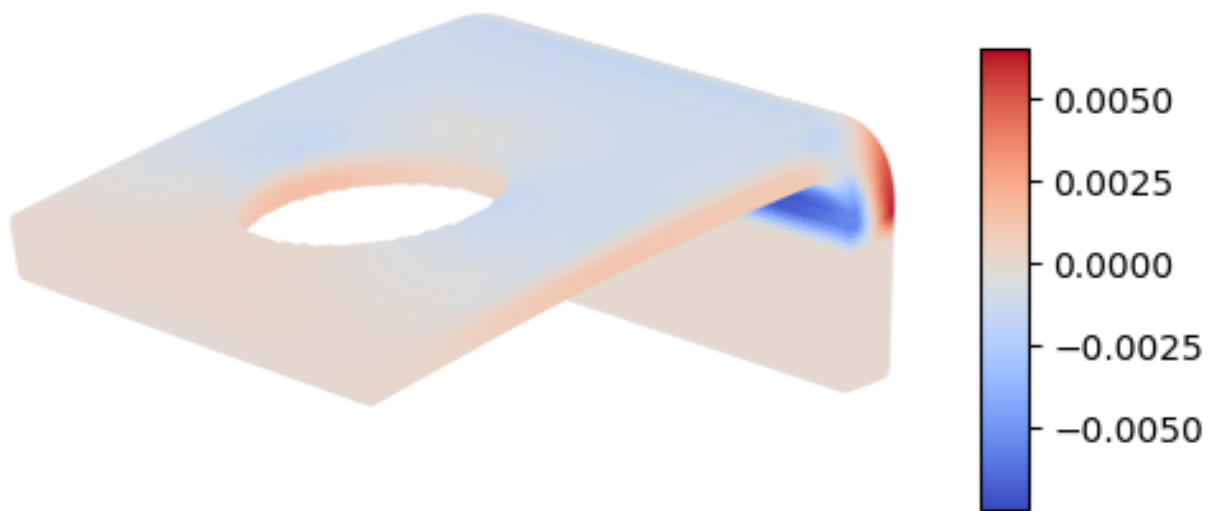
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-z

min-e-z: -0.00743304

max-e-z: 0.00648877



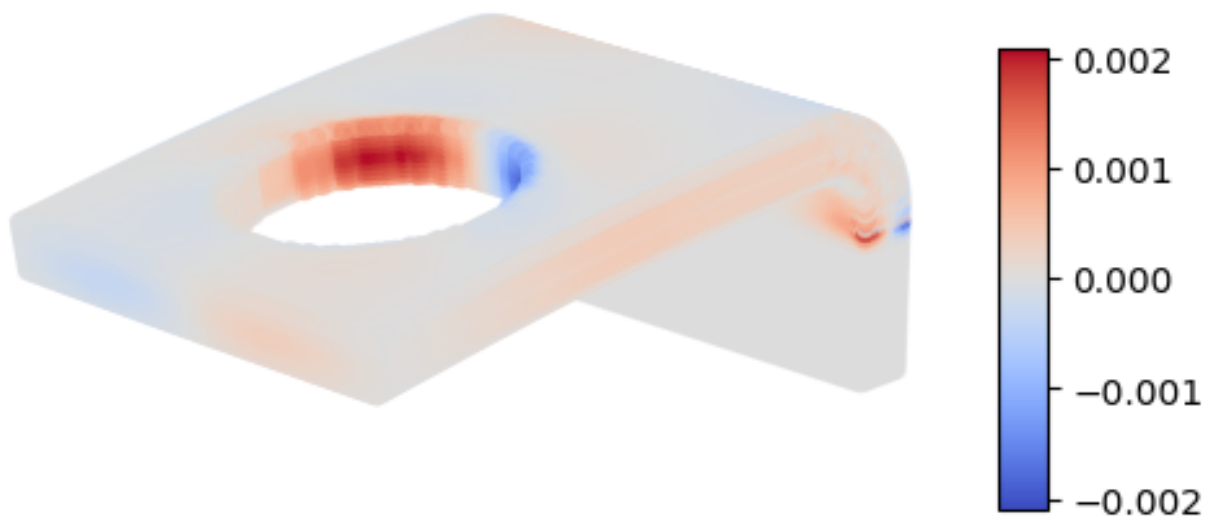
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-xy

min-e-xy: -0.00208958

max-e-xy: 0.00208958





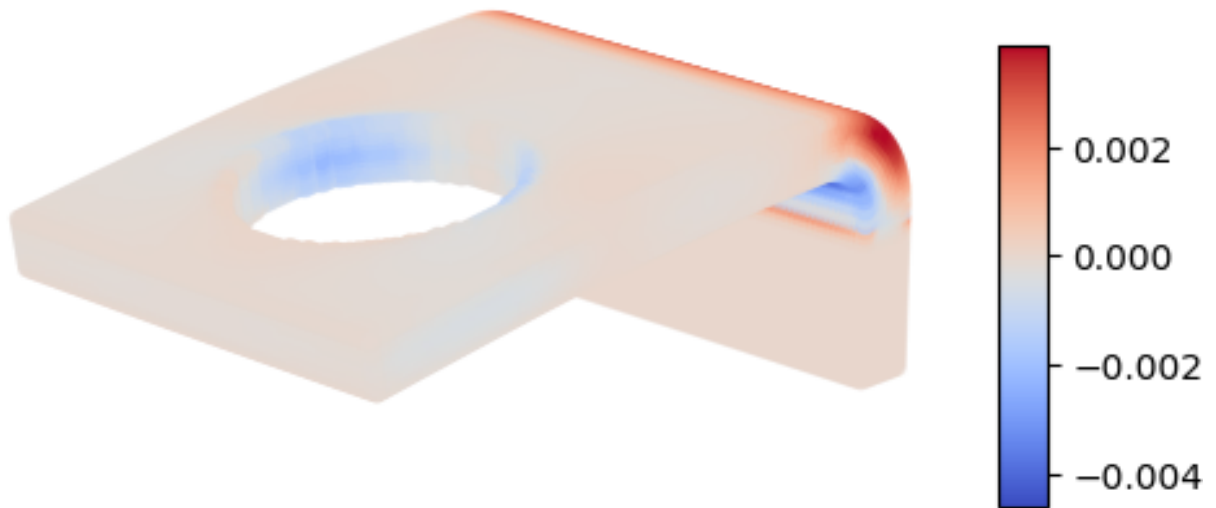
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-yz

min-e-yz: -0.00459076

max-e-yz: 0.00386282



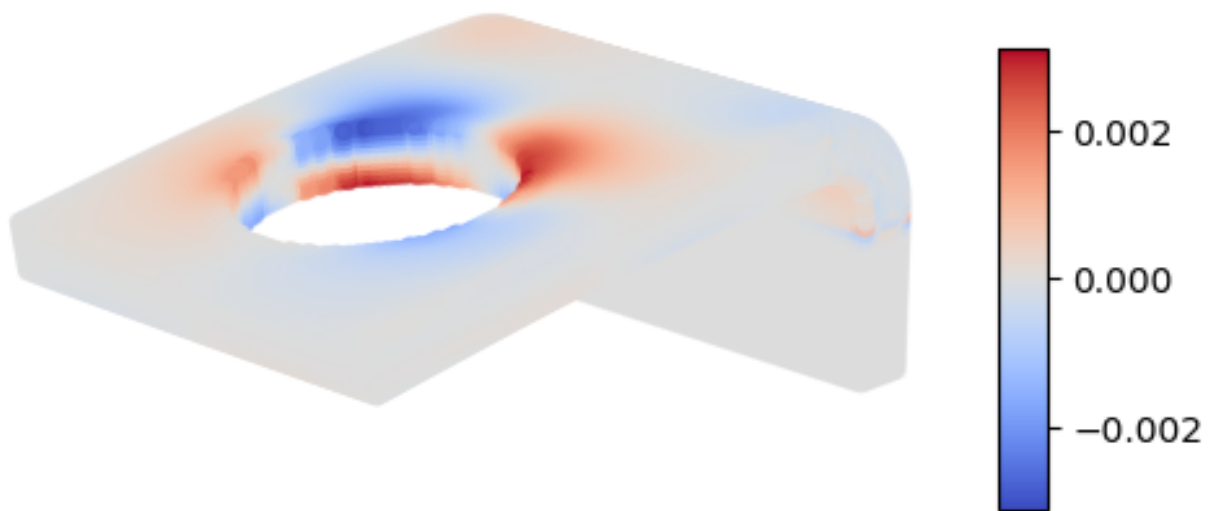
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-zx

min-e-zx: -0.00310104

max-e-zx: 0.00310104



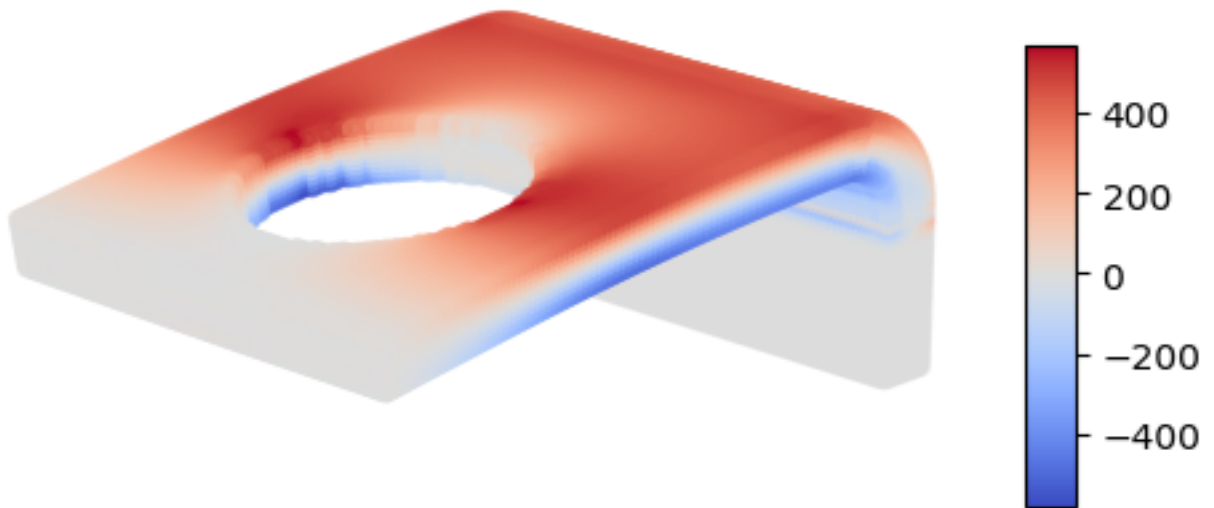
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-x

min-s-x: -580.385

max-s-x: 571.646



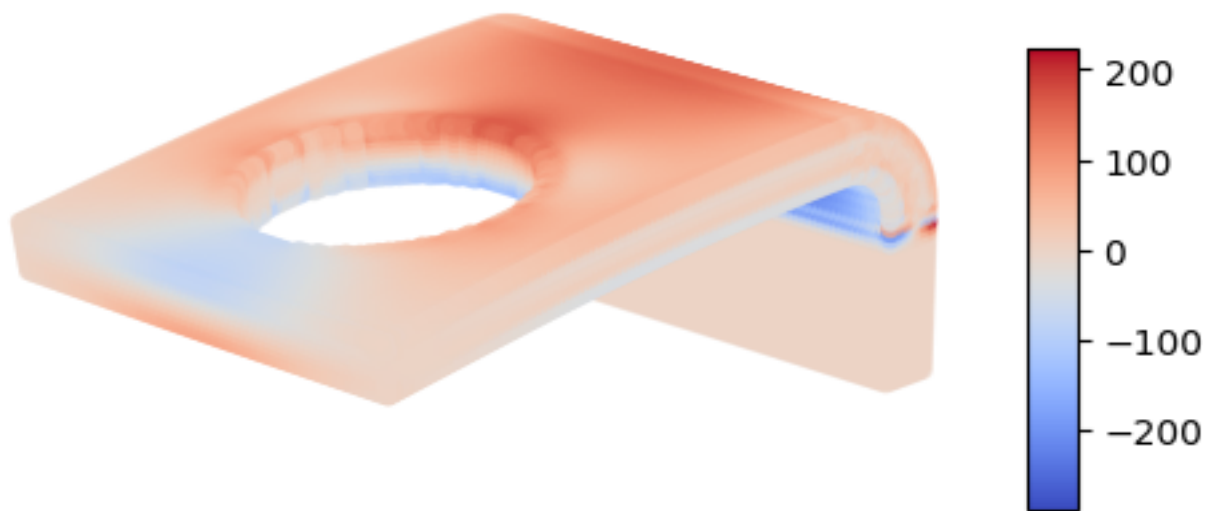
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-y

min-s-y: -288.196

max-s-y: 224.069



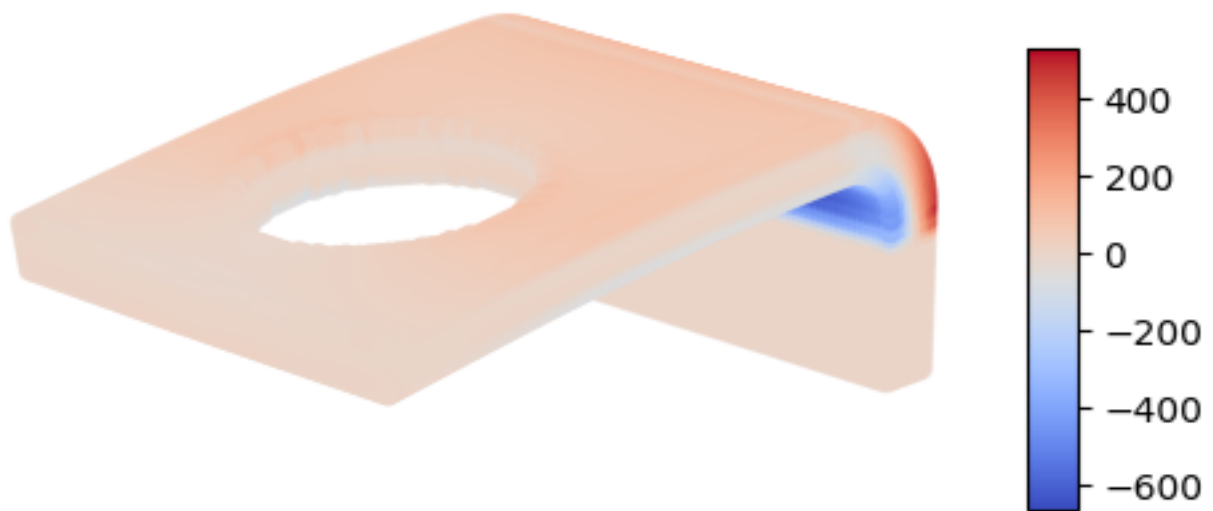
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-z

min-s-z: -663.793

max-s-z: 530.587



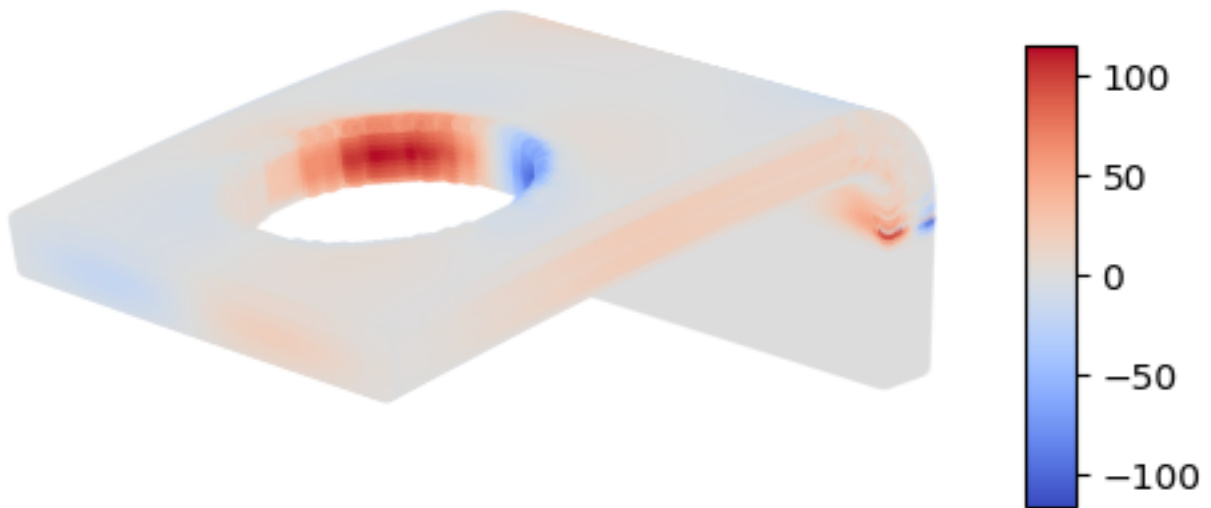
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-xy

min-s-xy: -115.731

max-s-xy: 115.731



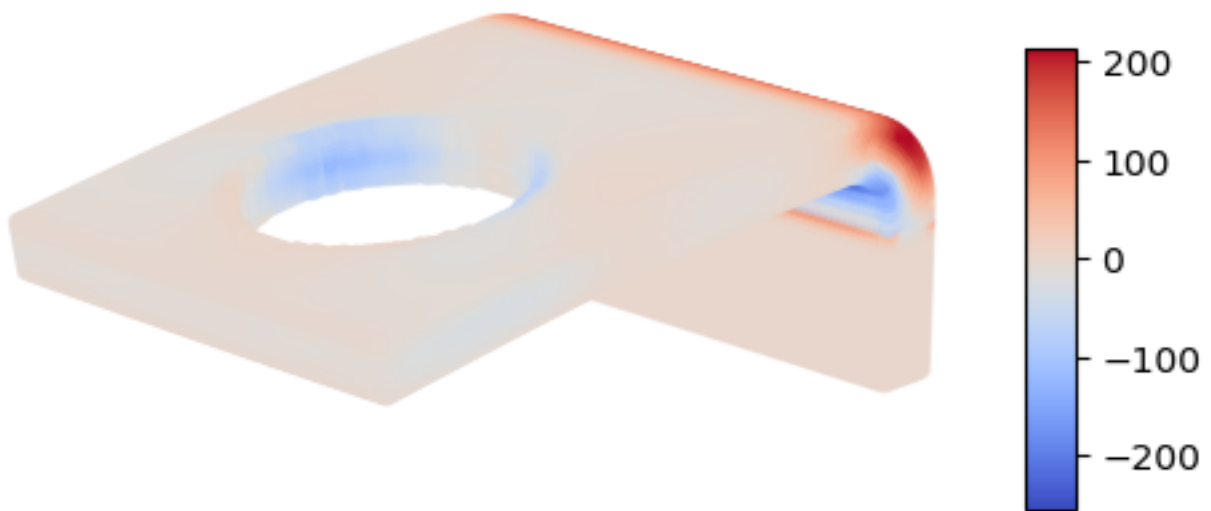
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-yz

min-s-yz: -254.258

max-s-yz: 213.941



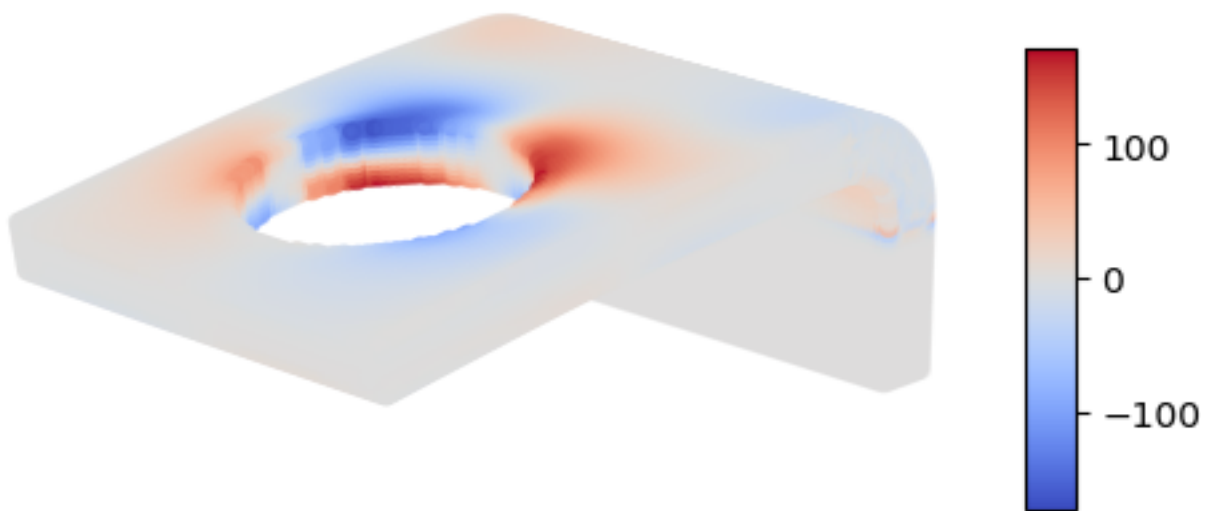
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-zx

min-s-zx: -171.75

max-s-zx: 171.75





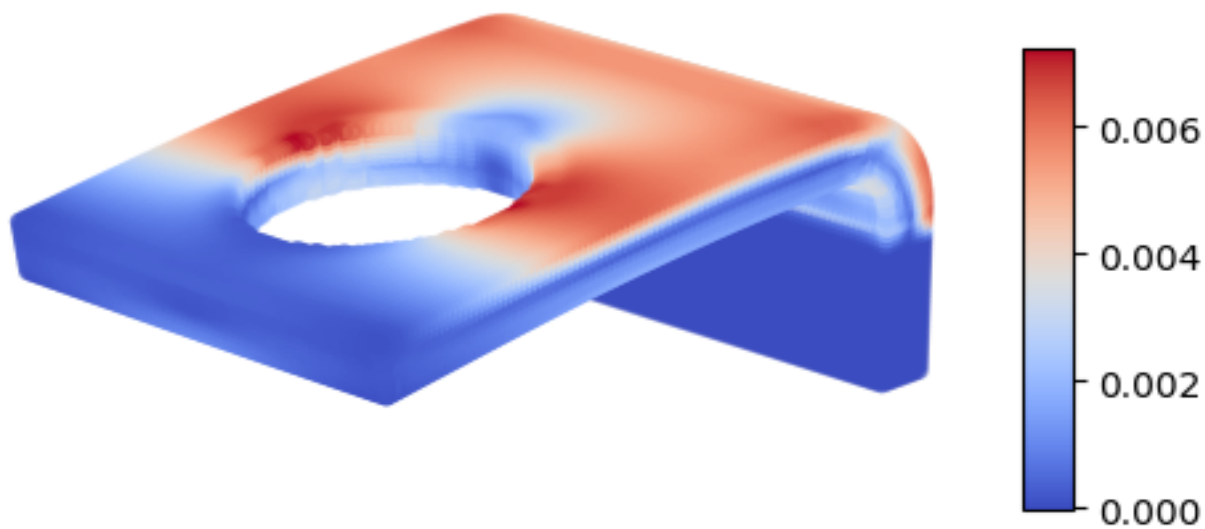
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-p1

min-e-p1: -4.92871e-06

max-e-p1: 0.00724



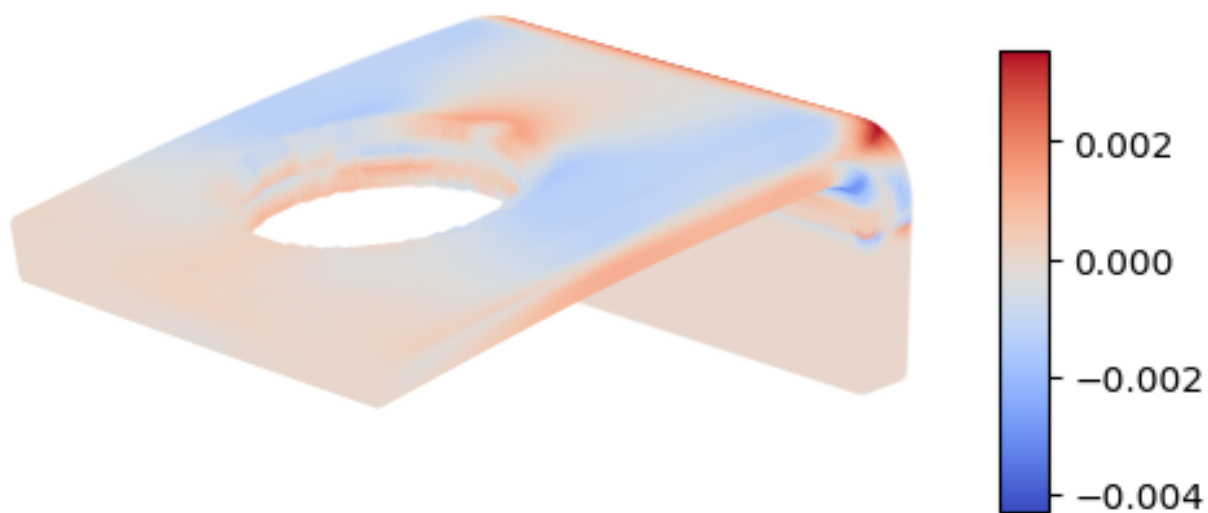
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-p2

min-e-p2: -0.00426246

max-e-p2: 0.00354791



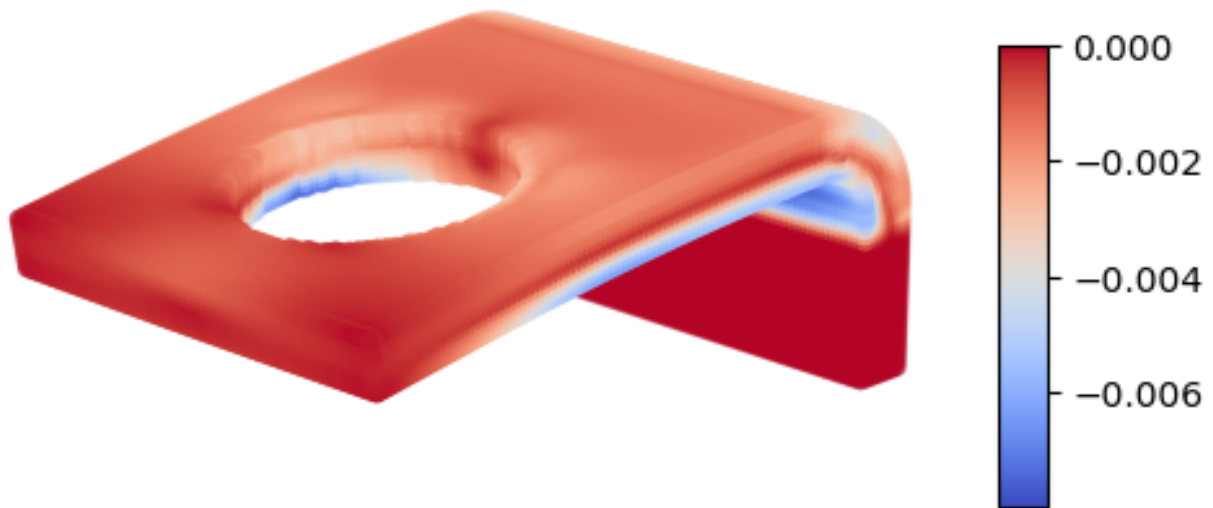
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-p3

min-e-p3: -0.0079595

max-e-p3: 0.0



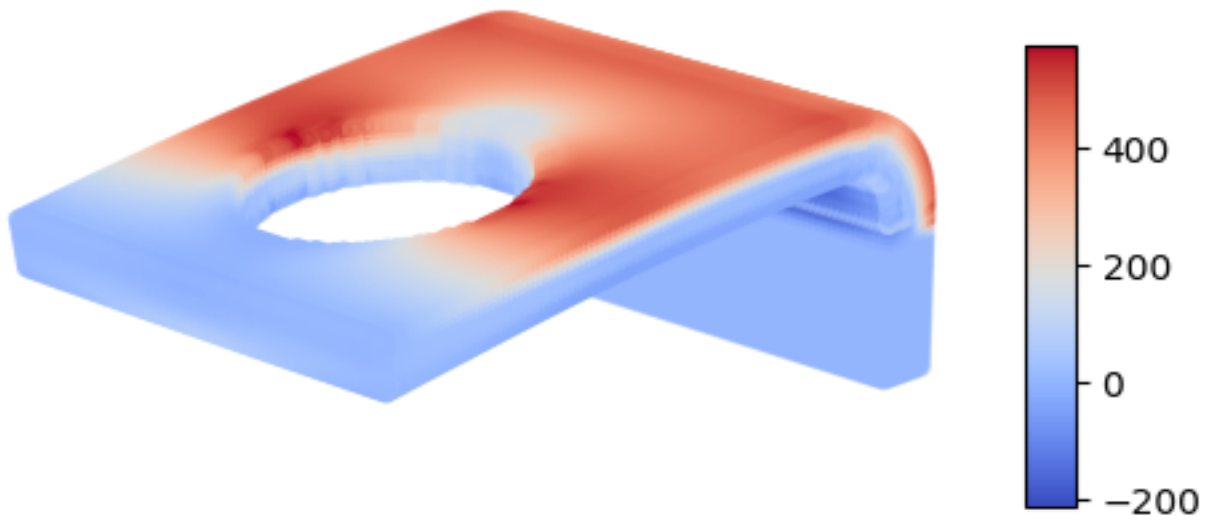
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-p1

min-s-p1: -210.377

max-s-p1: 574.337



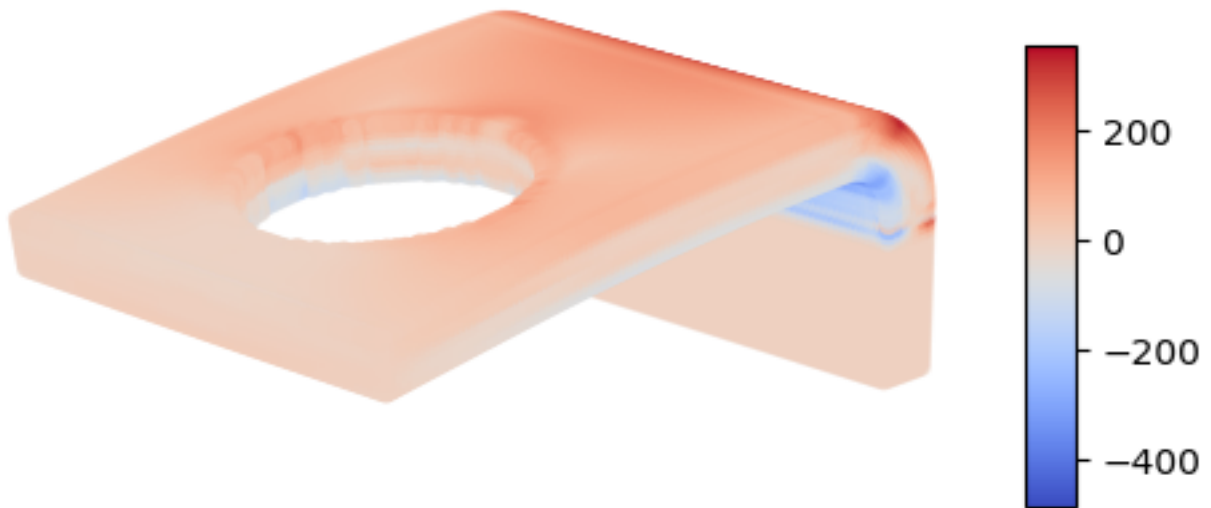
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-p2

min-s-p2: -485.888

max-s-p2: 355.079



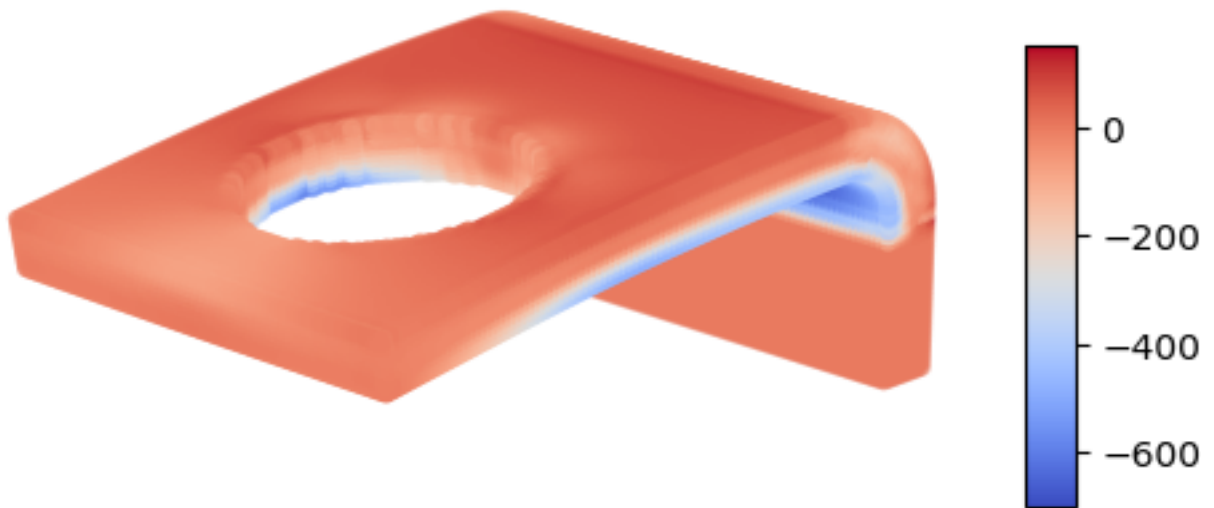
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**Solution Output: out\_0\_0**

Field: s-p3

min-s-p3: -698.635

max-s-p3: 151.887



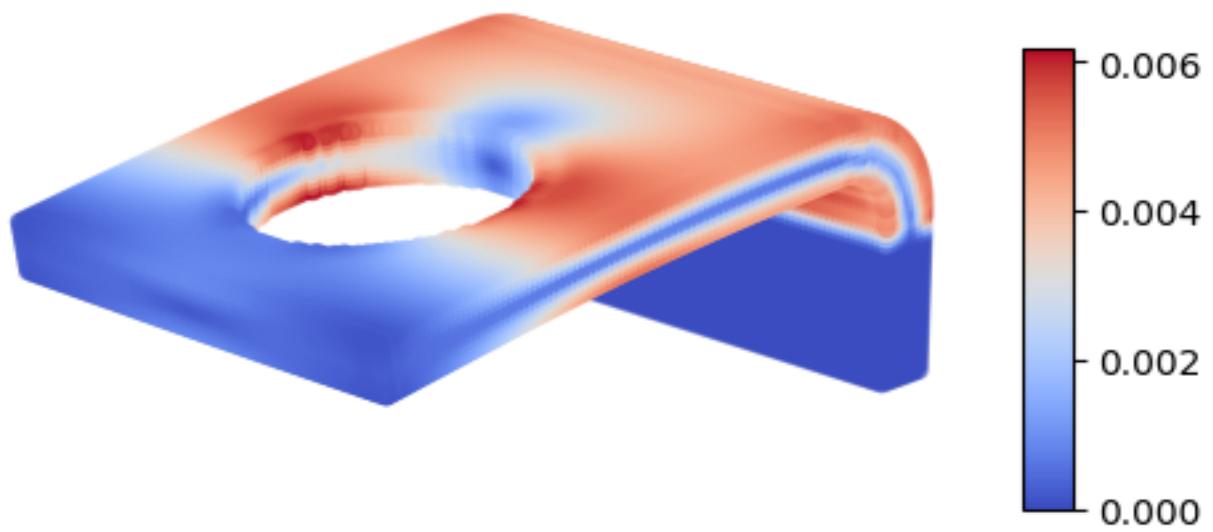
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-eq

min-e-eq: 0.0

max-e-eq: 0.00619038



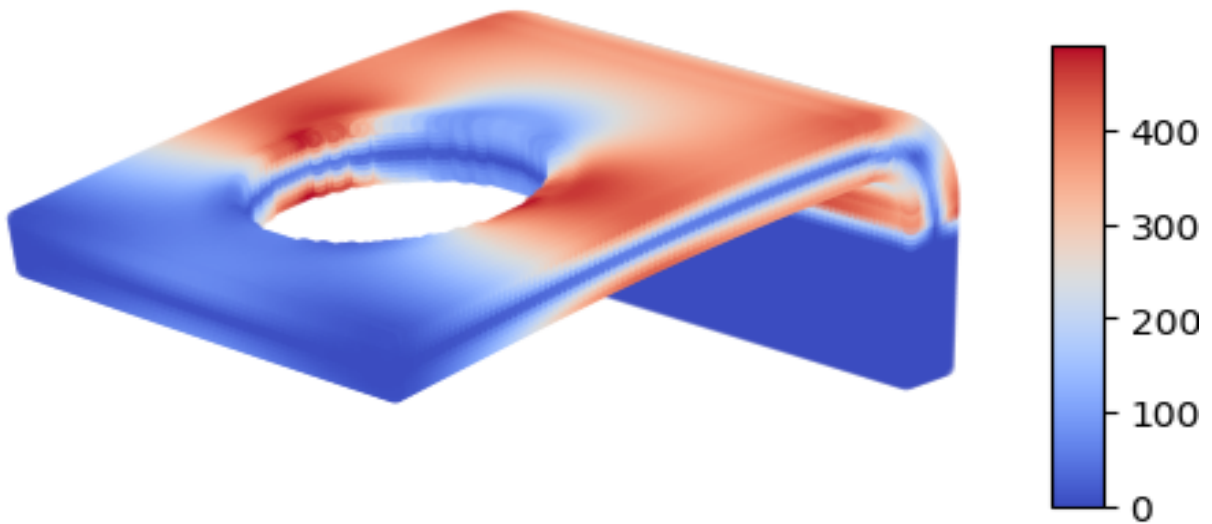
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: s-eq

min-s-eq: 0.0

max-s-eq: 491.93





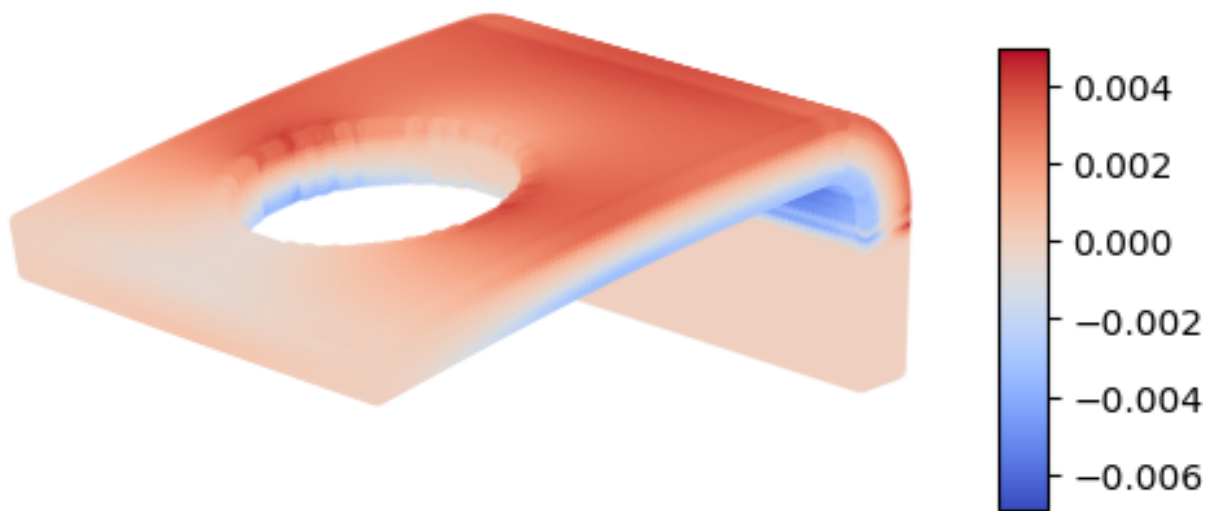
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: e-vol

min-e-vol: -0.0068808

max-e-vol: 0.00496908



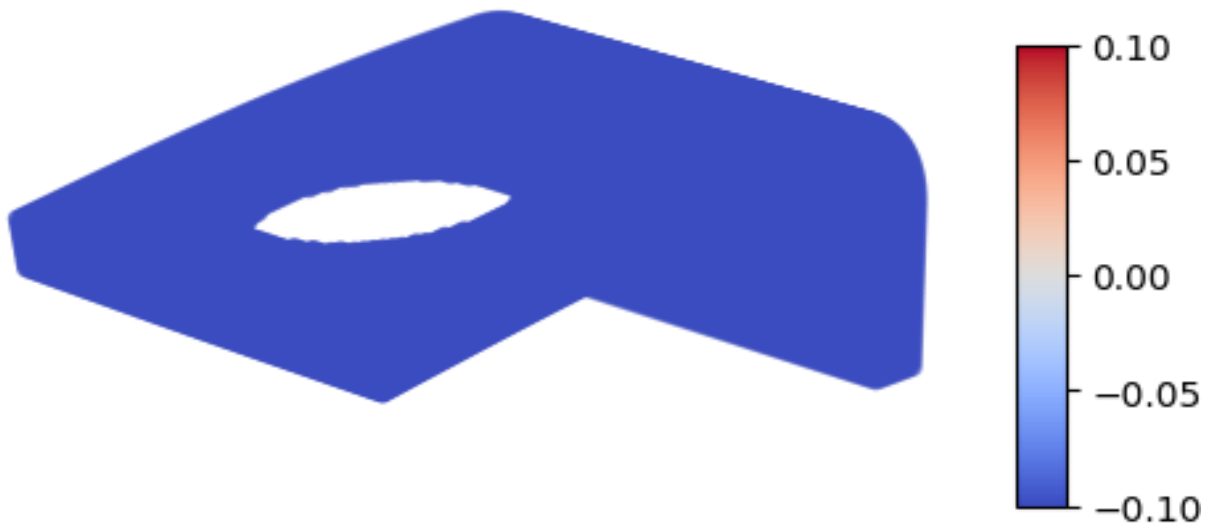
**Run Name: run0**

**Solution Output: out\_0\_0**

Field: damage-ini

min-damage-ini: 0.0

max-damage-ini: 0.0



**Run Name: run0**

**Solution Output: out\_0\_0**

Field: damage

min-damage: 0.0

max-damage: 0.0

