



Simulation Summary Report

Project Title: Woven Fiber Microstructure

Description: 3D, Failure Analysis, Isotropic

Created By: pmasscasestudies

Project Created: 05/09/2023-12:32

Report Created: 10/31/2023-10:41

Analysis Type: Fracture Analysis

Solver: quasi-static

Dimension: 3

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scription": "3D, Failure Analysis, Isotropic"}

Undeformed Grid

Number of Points: 96551

min-x: -3.976893667375

max-x: 3.9761773215

min-y: -3.976738946375

max-y: 3.97752243625

min-z: -1.23204092375

max-z: 1.2372881008749999



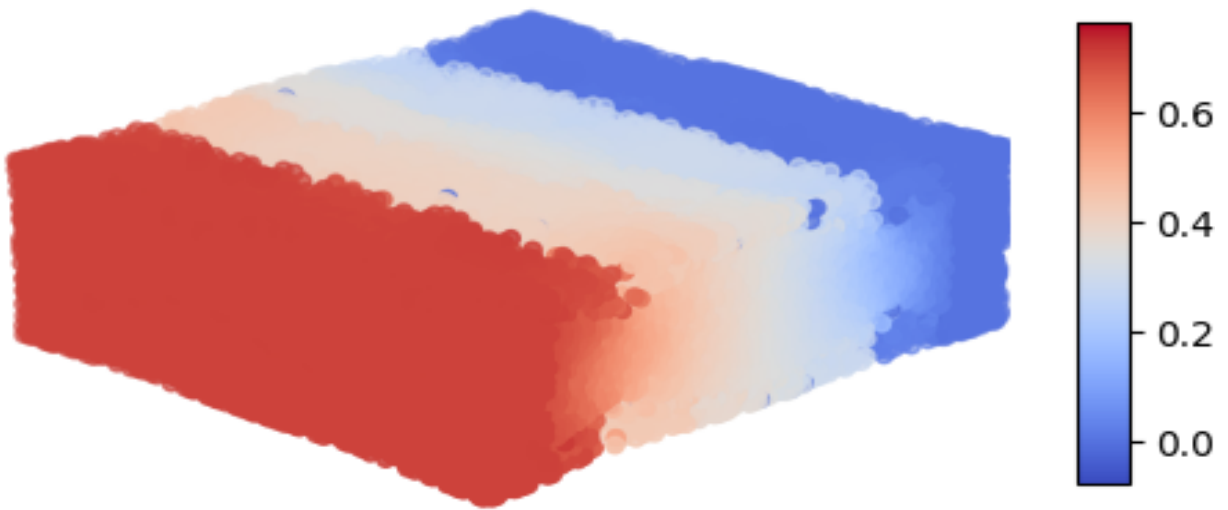
Run Name: run0

Solution Output: out_0_140

Field: u-x

min-u-x: -0.0777118

max-u-x: 0.767102



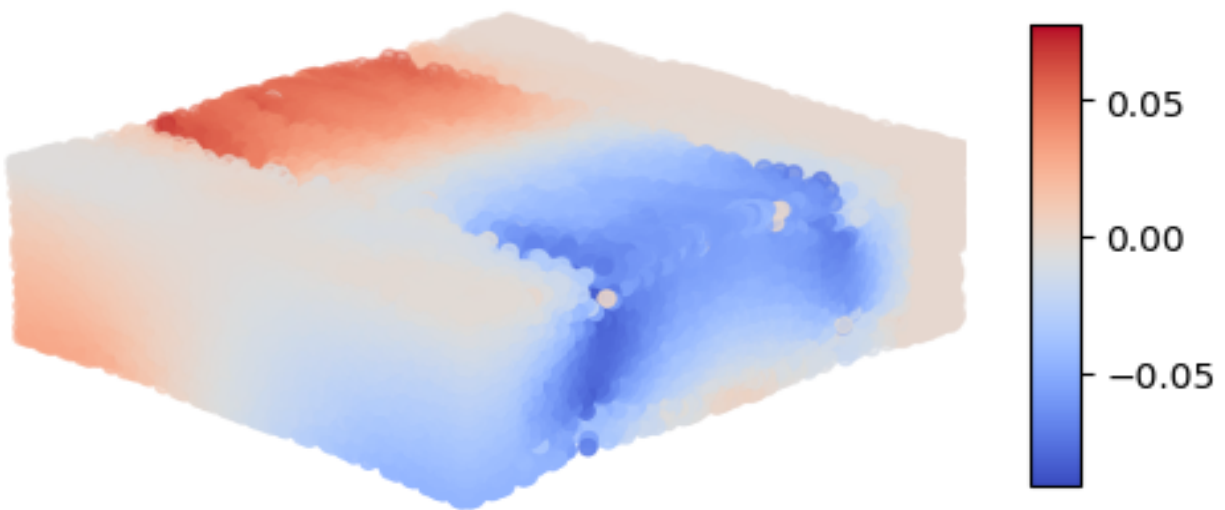
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Solution Output: out_0_140

Field: u-y

min-u-y: -0.0908035

max-u-y: 0.0780158



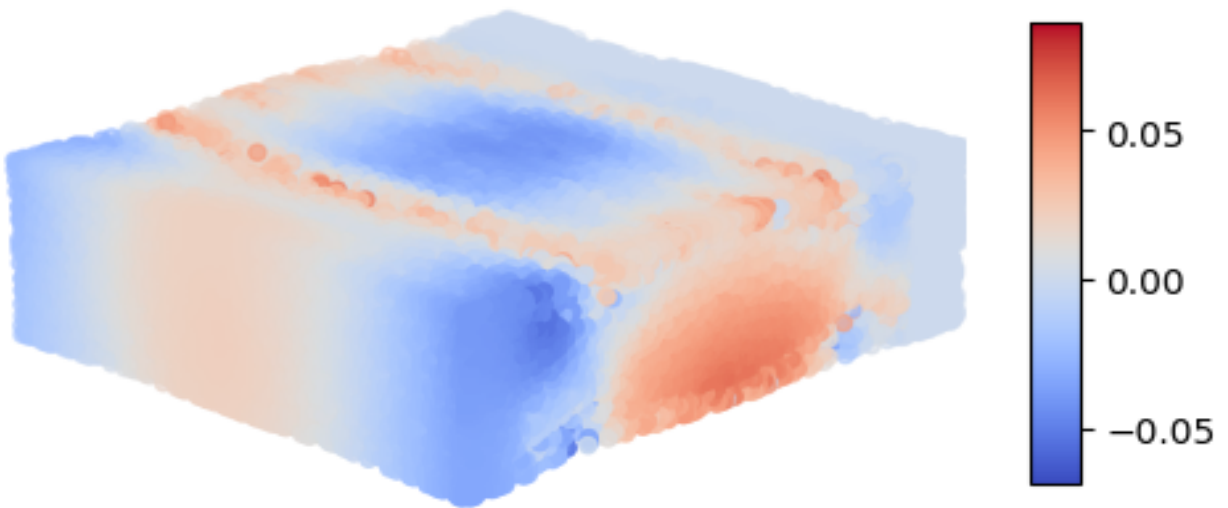
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Field: u-z

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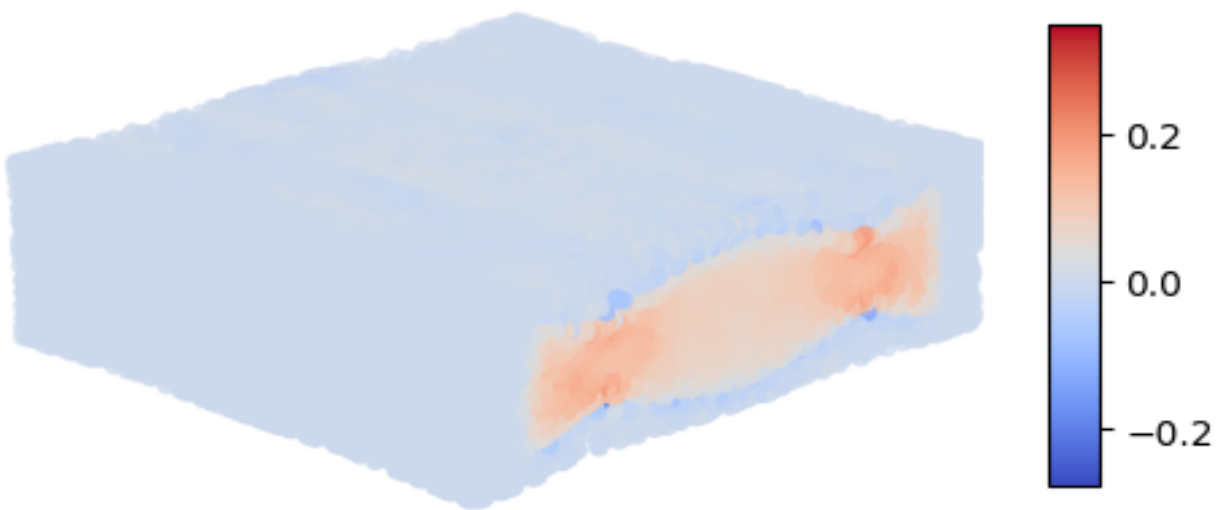
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Solution Output: out_0_140

Field: e-x

min-e-x: -0.274771

max-e-x: 0.350186



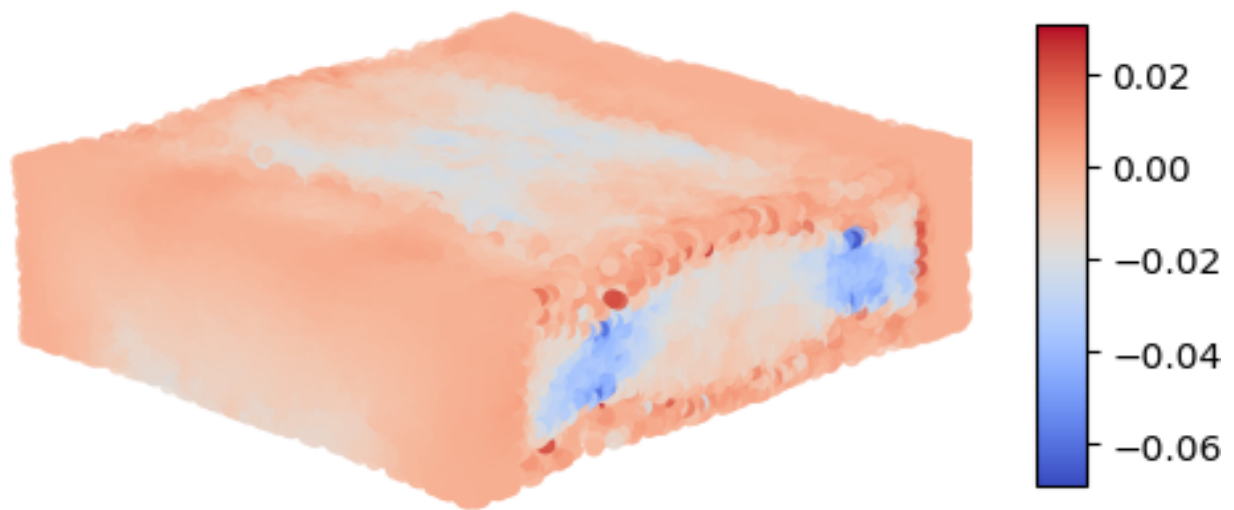
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max-e-y: 0.0310456



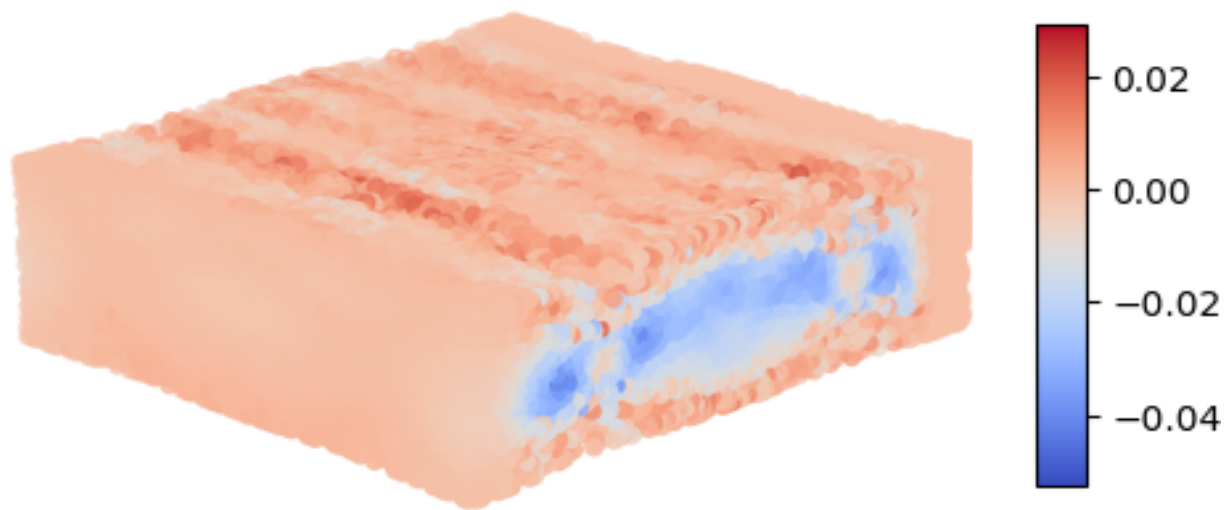
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Field: e-z

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max-e-z: 0.0293838



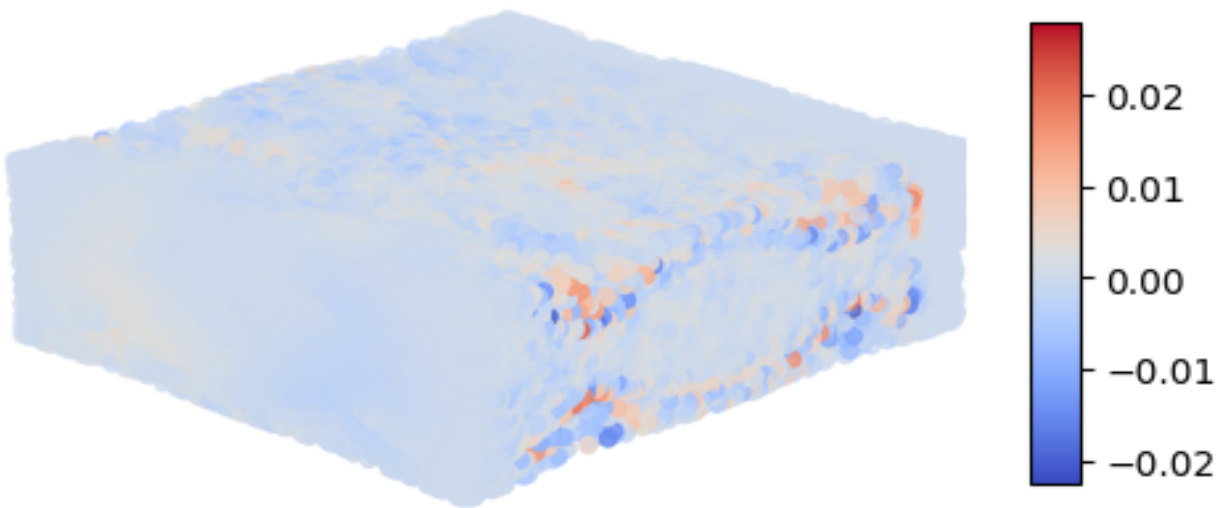
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Field: e-xy

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max-e-xy: 0.0278863



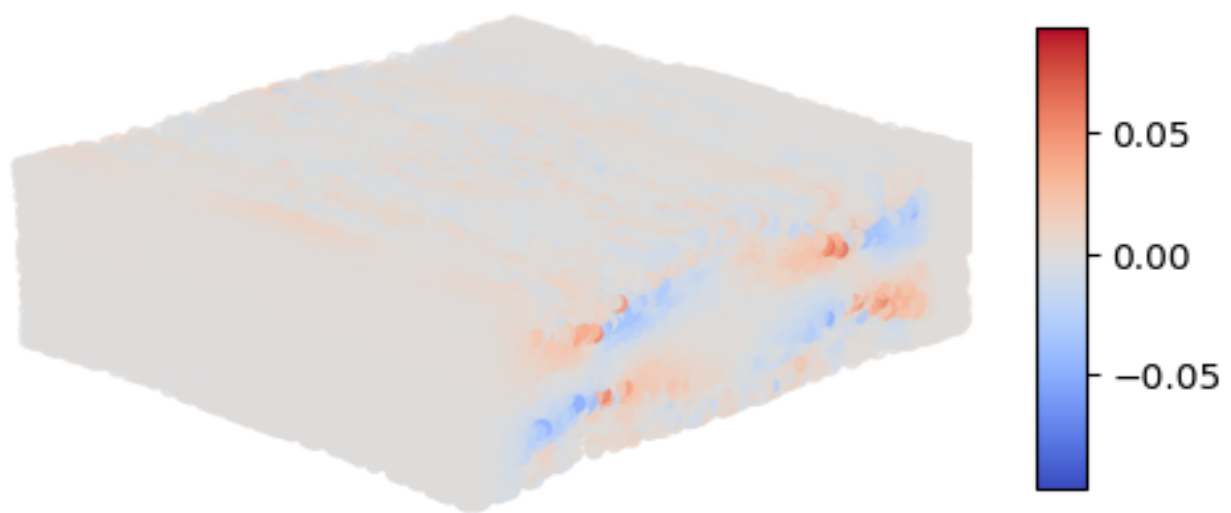
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Field: e-yz

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max-e-yz: 0.0939478



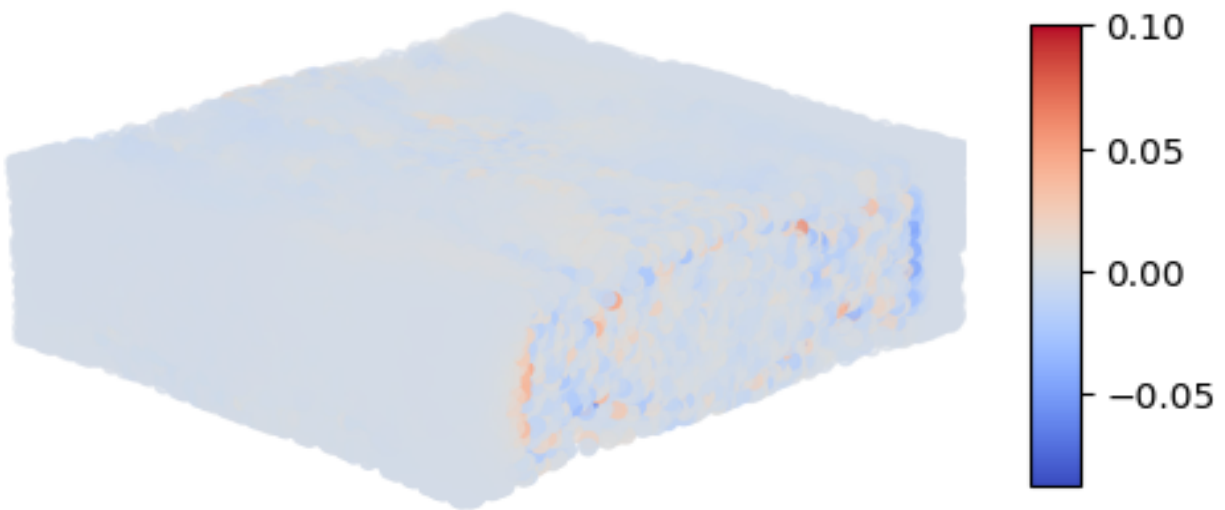
Run Name: run0

Solution Output: out_0_140

Field: e-zx

min-e-zx: -0.0866839

max-e-zx: 0.100362



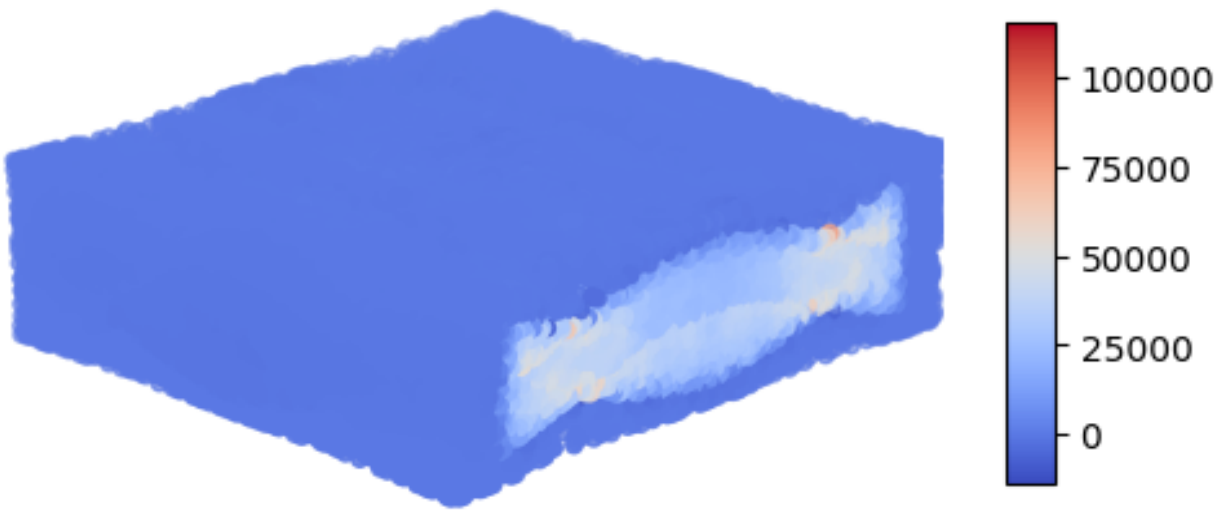
Run Name: run0

Solution Output: out_0_140

Field: s-x

min-s-x: -13478.7

max-s-x: 115447.0



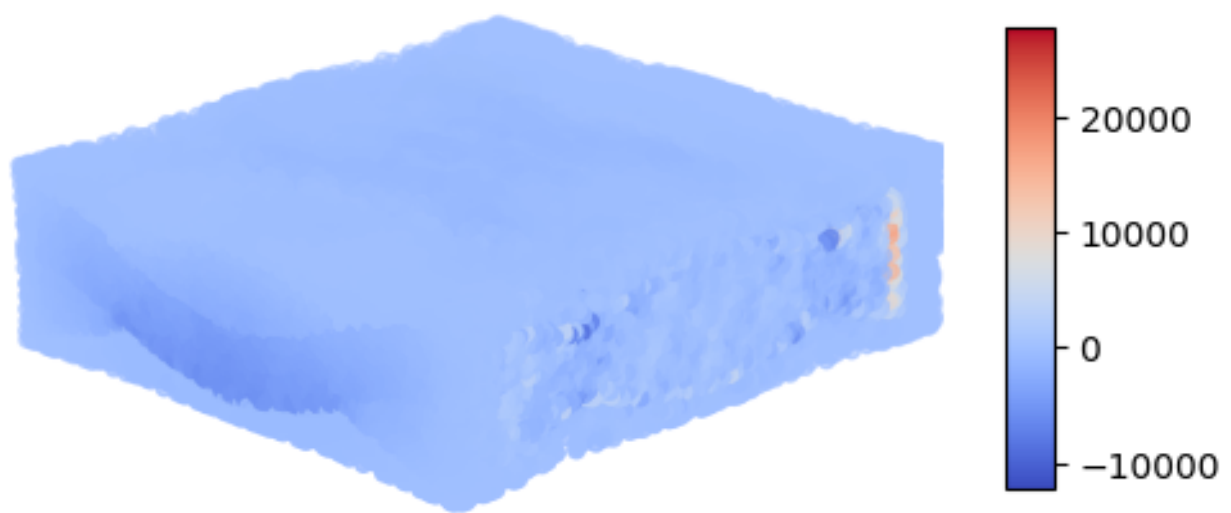
Run Name: run0

Solution Output: out_0_140

Field: s-y

min-s-y: -12162.3

max-s-y: 27713.6



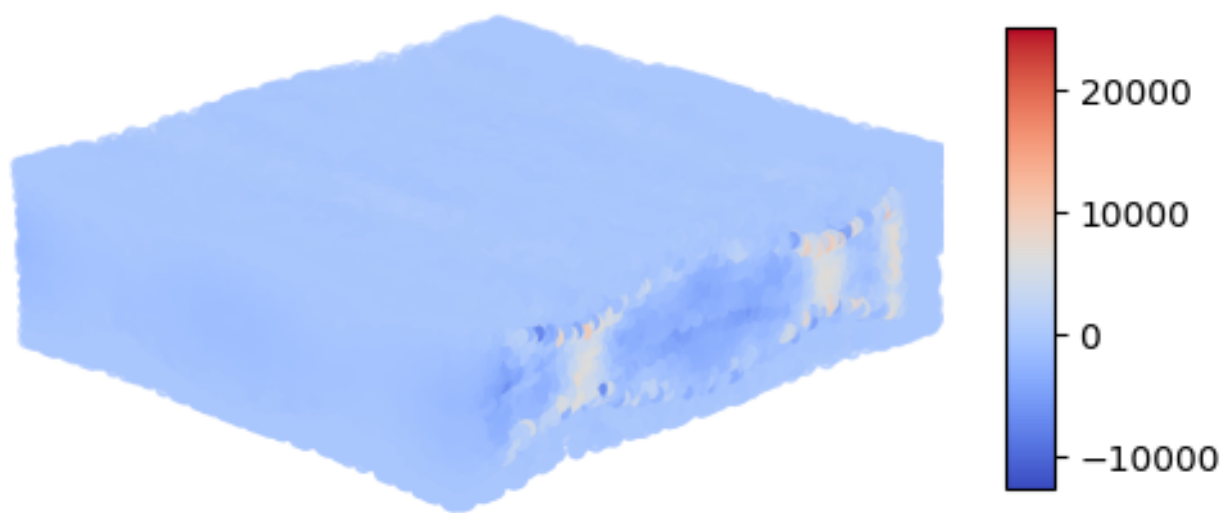
Run Name: run0

Solution Output: out_0_140

Field: s-z

min-s-z: -12522.1

max-s-z: 25078.4



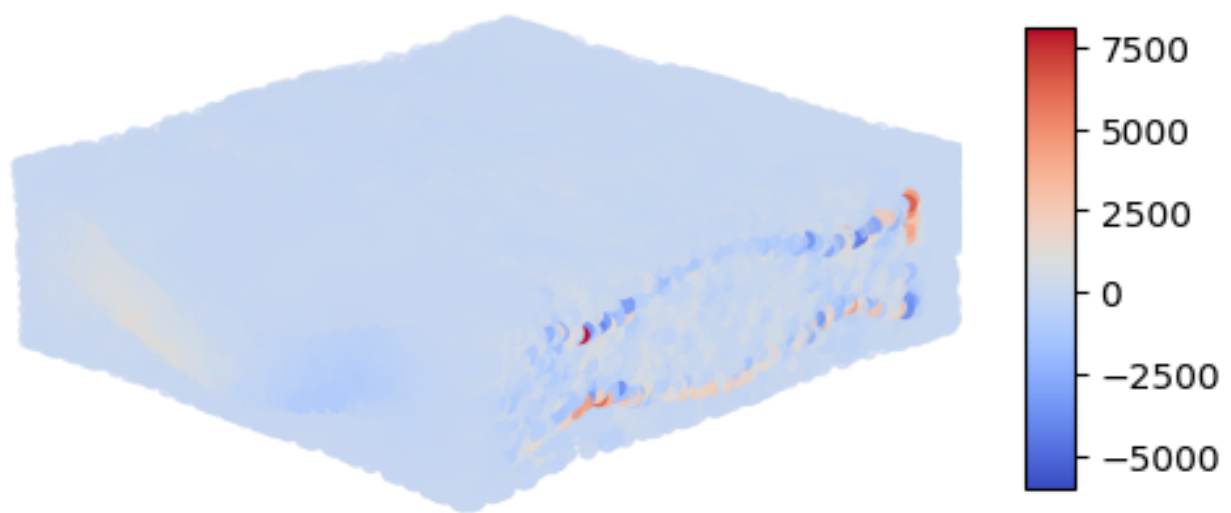
Run Name: run0

Solution Output: out_0_140

Field: s-xy

min-s-xy: -5975.79

max-s-xy: 8111.82



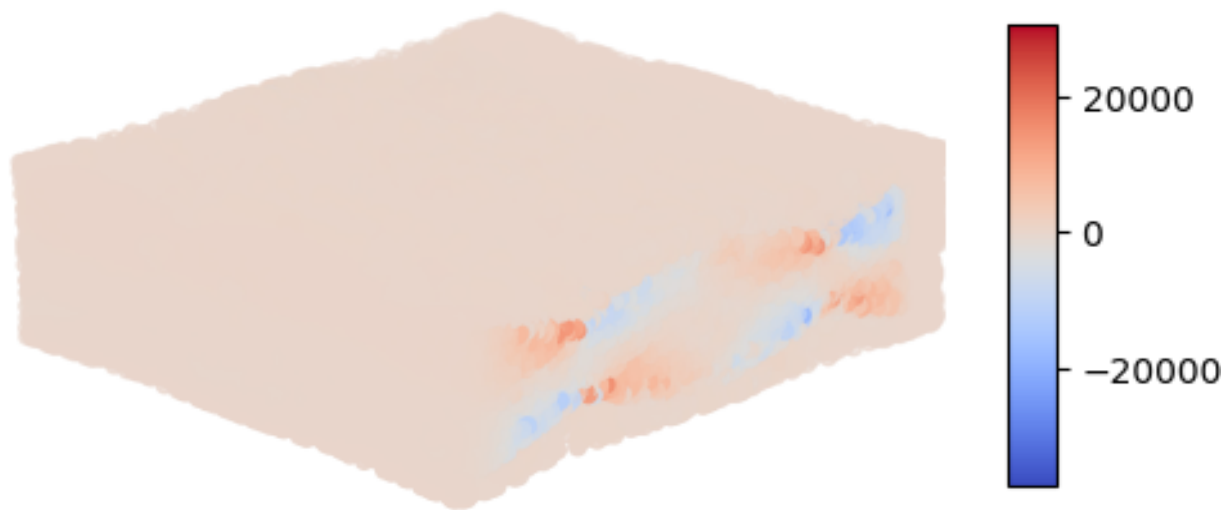
Run Name: run0

Solution Output: out_0_140

Field: s-yz

min-s-yz: -37371.9

max-s-yz: 30853.4



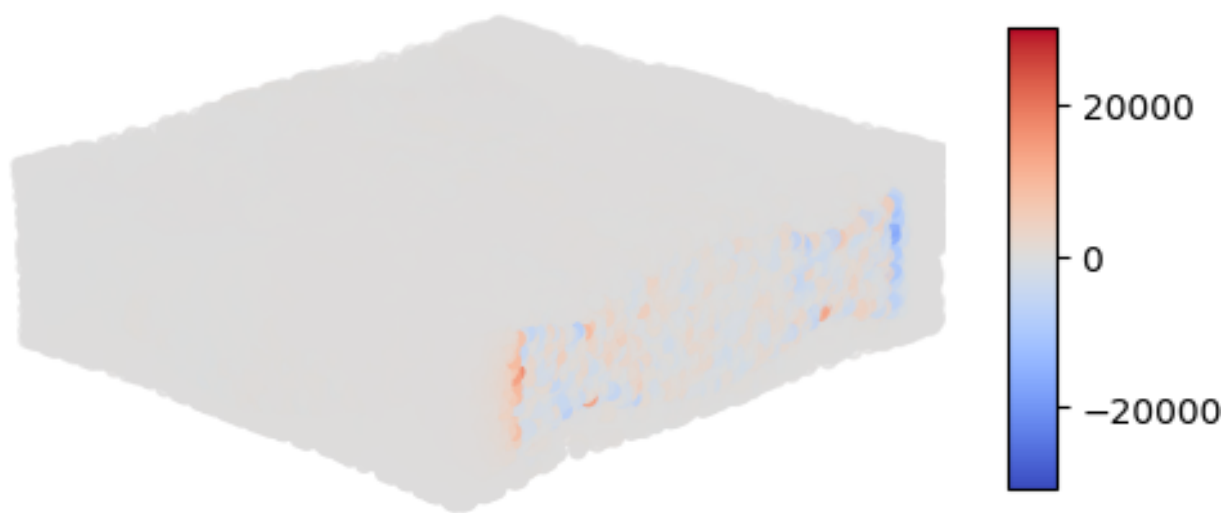
Run Name: run0

Solution Output: out_0_140

Field: s-zx

min-s-zx: -30583.5

max-s-zx: 30183.7



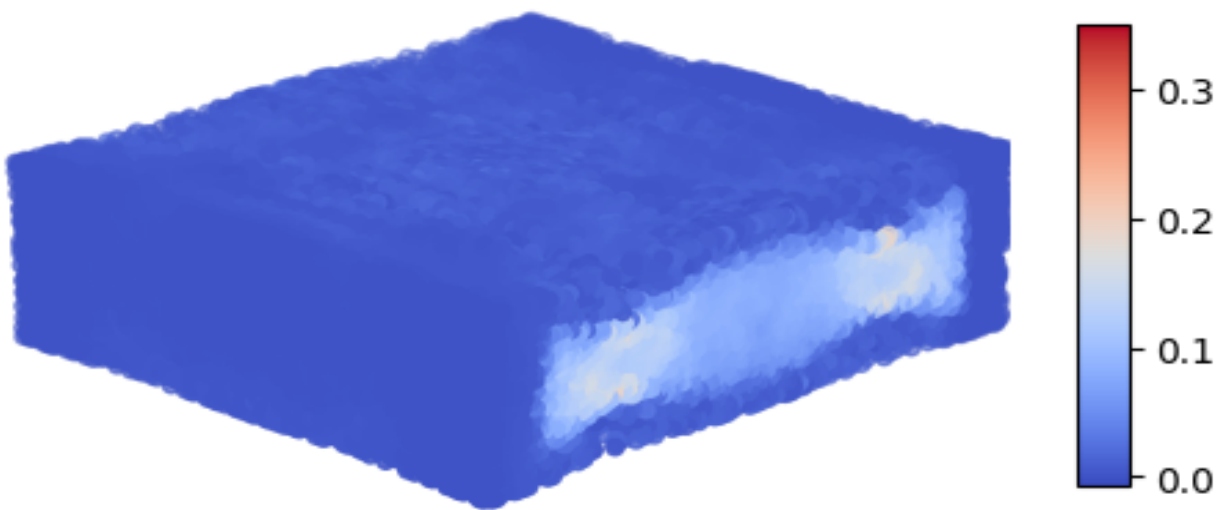
Run Name: run0

Solution Output: out_0_140

Field: e-p1

min-e-p1: -0.00597609

max-e-p1: 0.350206



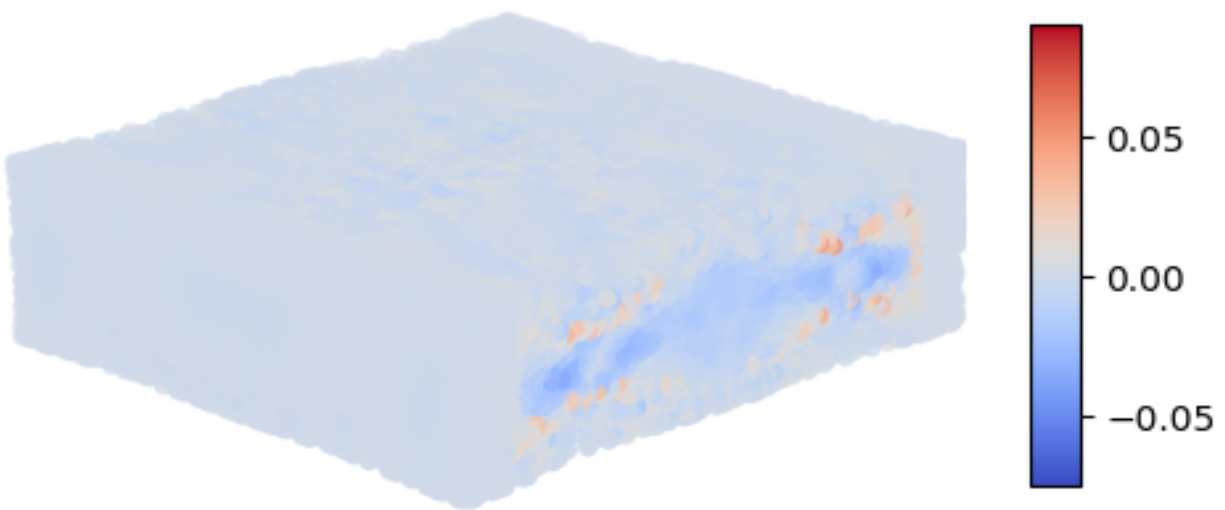
Run Name: run0

Solution Output: out_0_140

Field: e-p2

min-e-p2: -0.074639

max-e-p2: 0.0899411



Run Name: run0

Solution Output: out_0_140

Field: e-p3

min-e-p3: -0.275357

max-e-p3: 0.00106677



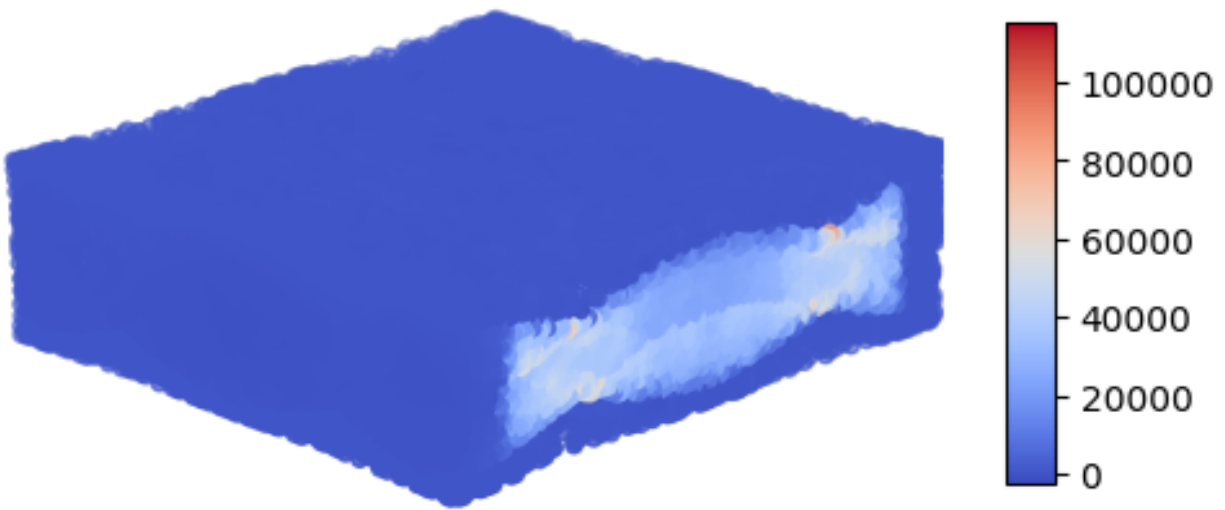
Run Name: run0

Solution Output: out_0_140

Field: s-p1

min-s-p1: -2376.09

max-s-p1: 115452.0



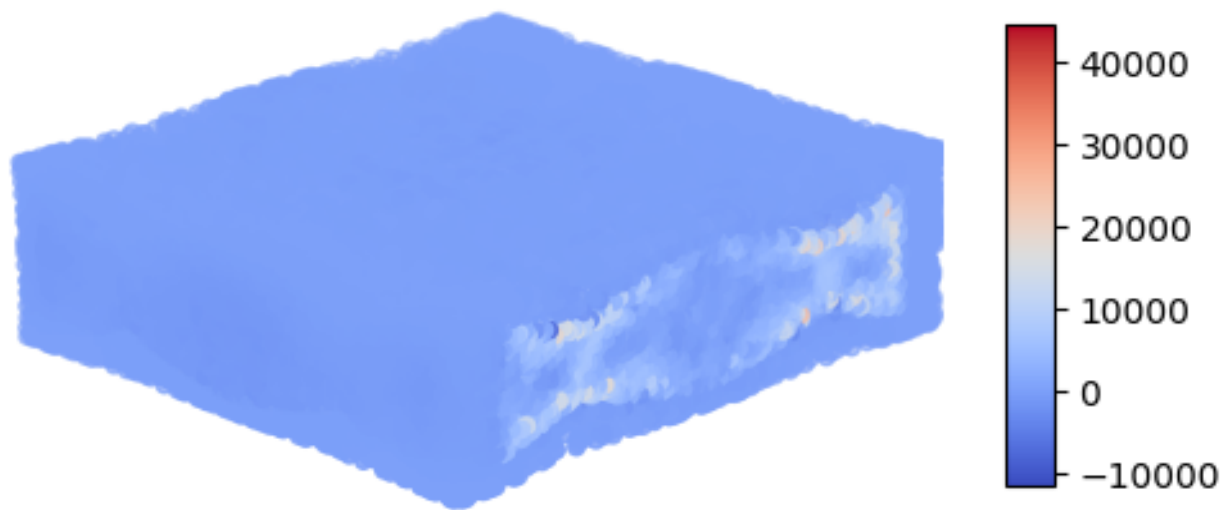
Run Name: run0

Solution Output: out_0_140

Field: s-p2

min-s-p2: -11452.4

max-s-p2: 44449.2



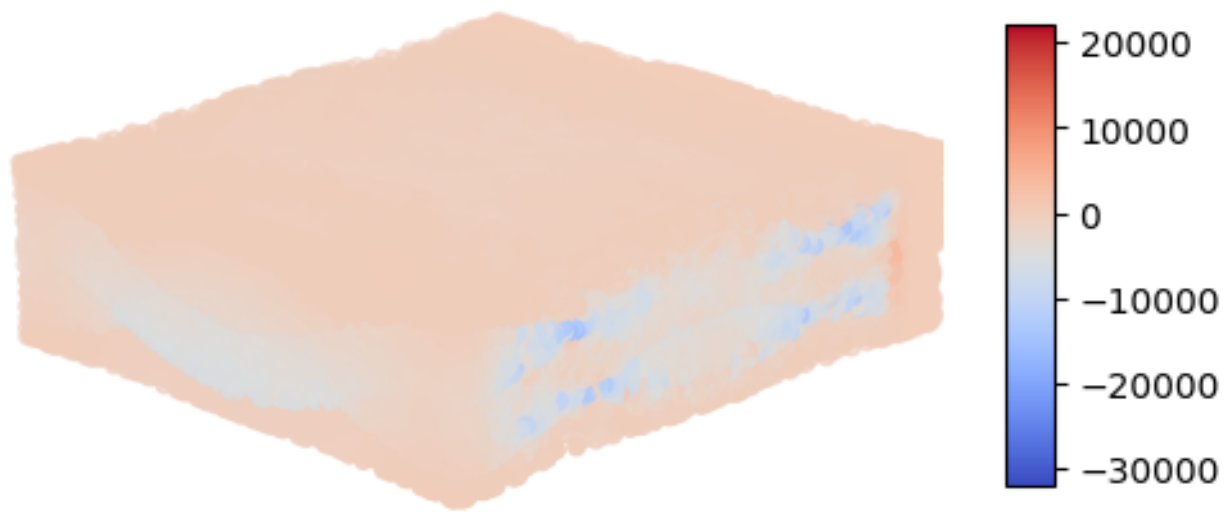
Run Name: run0

Solution Output: out_0_140

Field: s-p3

min-s-p3: -31925.1

max-s-p3: 22190.9



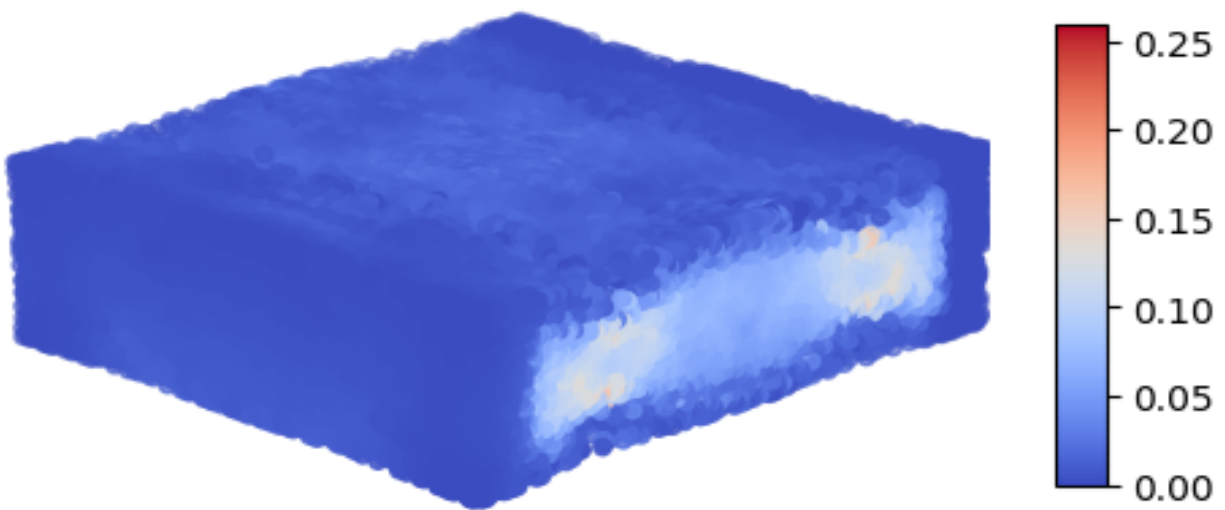
Run Name: run0

Solution Output: out_0_140

Field: e-eq

min-e-eq: 0.0

max-e-eq: 0.259896



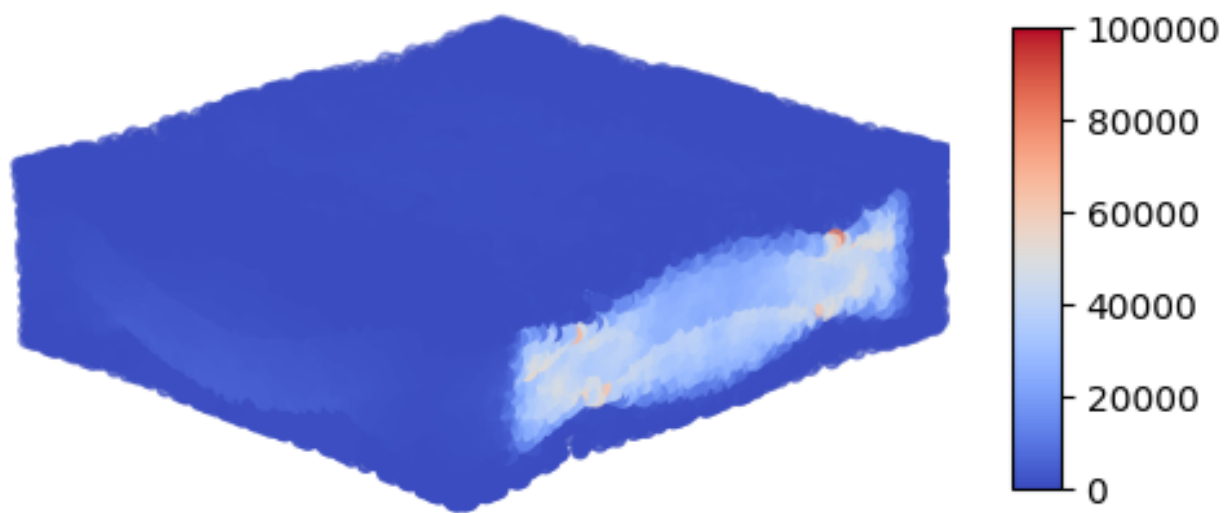
Run Name: run0

Solution Output: out_0_140

Field: s-eq

min-s-eq: 0.0

max-s-eq: 100188.0



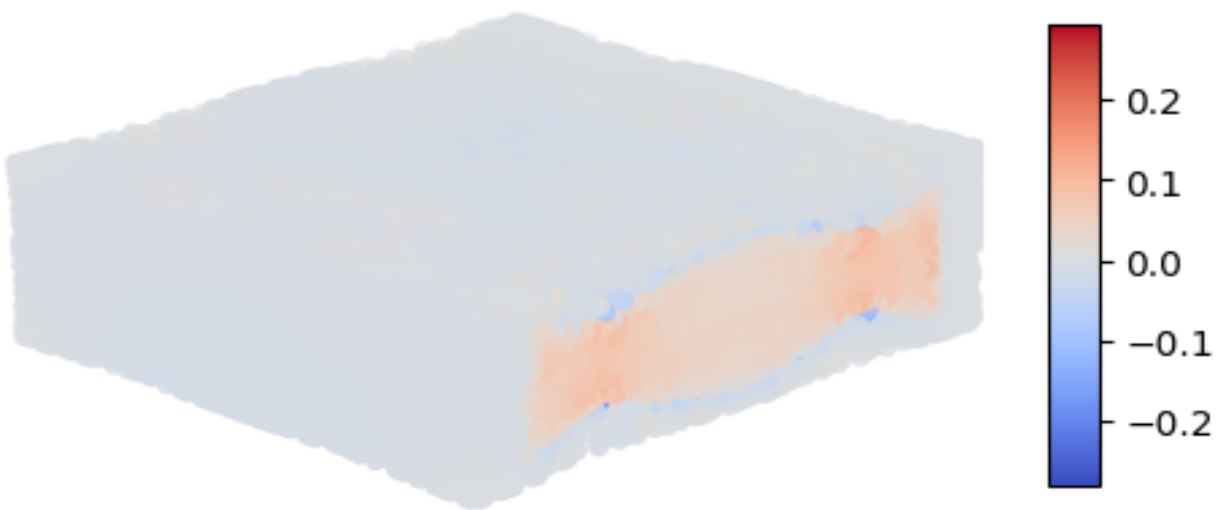
Run Name: run0

Solution Output: out_0_140

Field: e-vol

min-e-vol: -0.278353

max-e-vol: 0.294054



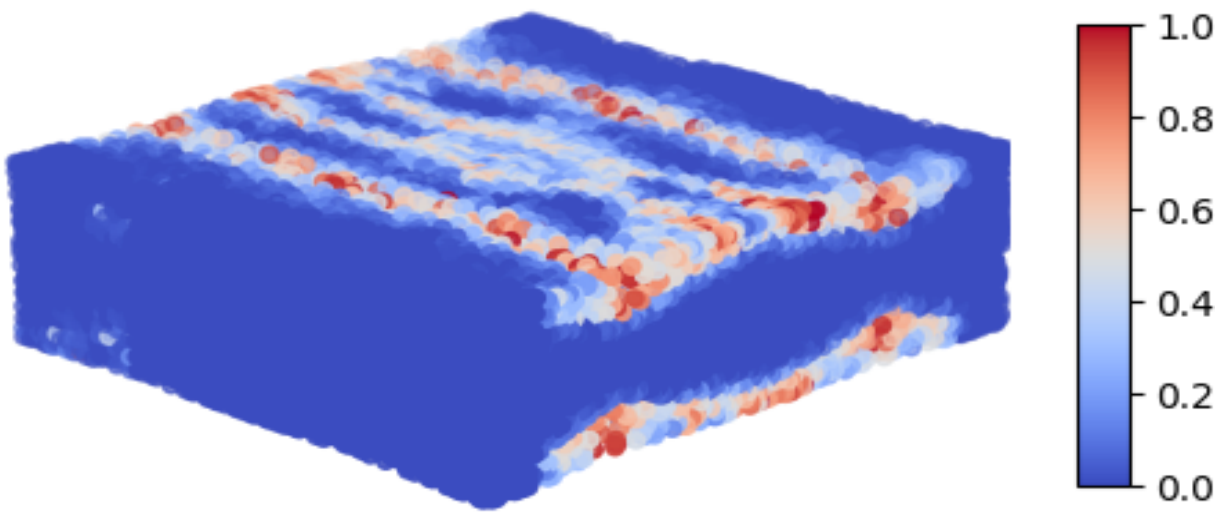
Run Name: run0

Solution Output: out_0_140

Field: damage-ini

min-damage-ini: 0.0

max-damage-ini: 1.0



Run Name: run0

Solution Output: out_0_140

Field: damage

min-damage: 0.0

max-damage: 1.0

