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Erratum: An Analysis of Solid-State Electrodeposition-Induced Metal Plastic Flow and Predictions of Stress States in Solid Ionic Conductor Defects [*J. Electrochem. Soc.*, 167, 020534 (2020)]

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follows,

$$-\nabla P + 2\nabla \cdot \eta \dot{\epsilon}_p = 0. \quad [2]$$

This mistype does not affect our results since the factor of 2 is correctly accounted for in our simplification of the above equation (Eq. 17). We reproduce Eq. 17 for reference,

$$-\nabla P + \eta \nabla^2 \dot{\mathbf{u}} = 0 \quad [3]$$

1. Equation 4 in the text and in Table I has two wrong minus signs in the publication. It should read,

$$\sigma_e = \frac{E\nu}{(1+\nu)(1-2\nu)} \text{tr}(\epsilon_e) \mathbb{I} + \frac{E}{1+\nu} \epsilon_e \quad [1]$$

This term is eventually neglected as described in the publication and thus does not affect the subsequent analysis and results.

2. Equation 9 in the text and in Table I, is missing a factor of 2 and should involve the strain rate tensor $\dot{\epsilon}_p$. It is correctly stated as