Title

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

$$\boldsymbol{\sigma}_e = \frac{E\nu}{(1+\nu)(1-2\nu)}\mathrm{tr}(\boldsymbol{\epsilon}_e)\mathbb{I} + \frac{E}{1+\nu}\boldsymbol{\epsilon}_e \qquad [1]$$

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 $\dot{\boldsymbol{\epsilon}}_p$. It is correctly stated as follows,

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

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,

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