

l2.tex

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1 Rate of strain and rate of rotation

$$u_{i,j} = S_{ij} + \Omega_{ij} \tag{1}$$

where

$$S_{ij} = \frac{1}{2}(u_{i,j} + u_{j,i}) \tag{2}$$

(symmetric)

$$\Omega_{ij} = \frac{1}{2}(u_{i,j} - u_{j,i}) \tag{3}$$

(antisymmetric)