$$\frac{\partial V_x}{\partial t} - \frac{1}{9} \frac{\partial \sigma_{xx}}{\partial x} - \frac{1}{9} \frac{\partial \sigma_{yy}}{\partial y} = 0$$

$$\frac{\partial V_y}{\partial t} - \frac{1}{9} \frac{\partial \sigma_{yx}}{\partial x} - \frac{1}{9} \frac{\partial \sigma_{yy}}{\partial y} = 0$$

$$\frac{\partial \sigma_{xx}}{\partial t} - \lambda \left(\frac{\partial V_x}{\partial x} + \frac{\partial V_y}{\partial y}\right) - 2\mu \frac{\partial V_y}{\partial x} = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial V_x}{\partial x} + \frac{\partial V_y}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial V_x}{\partial x} + \frac{\partial V_y}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial V_x}{\partial x} + \frac{\partial V_y}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

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$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} - \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} + \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} + \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} + \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial t} + \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{yy}}{\partial x}\right) = 0$$

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$$\frac{\partial \sigma_{xy}}{\partial x} + \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{xy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial x} + \mu \left(\frac{\partial \sigma_{xy}}{\partial x} + \frac{\partial \sigma_{xy}}{\partial x}\right) = 0$$

$$\frac{\partial \sigma_{xy}}{\partial x} + \mu \left(\frac{\partial \sigma_{xy}$$

$$G_{xx} = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$G_{yy} = \lambda (E_{xx} + E_{yy}) + 2\mu E_{yy}$$

$$G_{xy} = 2\mu E_{xy}$$

$$G_{xy} = \lambda (E_{xx} + E_{yy}) + 2\mu E_{yy}$$

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$$G_{xy} = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$G_{xy} = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$A + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xx}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{yy}$$

$$\lambda + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{yy}$$

$$\lambda + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{yy}$$

$$\lambda + 2\mu E_{xy}$$

$$\lambda + 2\mu = \lambda (E_{xx} + E_{yy}) + 2\mu E_{yy}$$

$$\lambda + 2\mu E_{xy}$$

$$\lambda + 2\mu E_{xy}$$

$$\lambda + 2\mu E_{xy}$$

$$\lambda + 2\mu = C_{11} = C_{33}$$
 = $\lambda = C_{11} - 2C_{44} \mu = C_{44}$

$$A_{x} = \begin{pmatrix} 0 & 0 & -\frac{1}{9} & 0 & 0 \\ 0 & 0 & 0 & 0 & -\frac{1}{9} \\ -C_{11} & 0 & 0 & 0 & 0 \\ -C_{11} + 2C_{44} & 0 & 0 & 0 & 0 \\ 0 & -C_{44} & 0 & 0 & 0 & 0 \end{pmatrix}, \quad A_{y} = \begin{pmatrix} 0 & 0 & 0 & 0 & -\frac{1}{9} & 0 \\ 0 & 0 & 0 & -\frac{1}{9} & 0 \\ 0 & -C_{11} + 2C_{44} & 0 & 0 & 0 \\ 0 & -C_{11} & 0 & 0 & 0 \\ -C_{44} & 0 & 0 & 0 & 0 \end{pmatrix}$$