Constitutive Relations

V:= Du

Balance of mans:
$$\frac{\partial f}{\partial t} + \nabla \cdot (f\vec{v}) = 0$$
 | $f \rightarrow 1$ | \vec{v} or $\vec{u} \rightarrow 3$ | \vec{v} or $\vec{u} \rightarrow 3$ | \vec{v} or $\vec{u} \rightarrow 3$ | \vec{v} or $\vec{v} \rightarrow 3$ | \vec{v} or \vec

$$\begin{array}{ll}
\left(\int_{\widetilde{z}_{j}}^{\widetilde{z}_{j}} = \lambda \mathcal{E}_{KK} \delta_{ij} + 2G \mathcal{E}_{ij} \right) > 6 \\
\text{Material constants} \\
\left(\int_{\widetilde{z}_{j}}^{KK} \int_{\widetilde{z}_{j}}^{KK} \int_{\widetilde{z}_{j}}^{$$

$$\begin{cases} \delta_{ii} = 3 \\ (> \delta_{11} + \delta_{22} + \delta_{33} \\ \delta_{11} = 1 \\ \delta_{22} = 1 \\ \delta_{33} = 1 \end{cases}$$

But not to worry! Because we have & STRAIN-DISPLACEMENT REUS.

$$S_{ij} = \frac{1}{2} \left(\frac{\partial u_i}{\partial x_j} + \frac{\partial u_j}{\partial x_i} \right) \longrightarrow 6 \text{ more eqn}$$

In Ist years Mechanics

$$\begin{aligned}
\xi_{12} &= \frac{1}{E} \left[\int_{x_{1}}^{x_{2}} - \Im \left(\int_{y_{1}}^{y_{1}} + \int_{z_{2}}^{z_{2}} \right) \right] \\
\xi_{12} &= \frac{1}{E} \left[\int_{y_{2}}^{y_{2}} - \Im \left(\int_{x_{1}}^{y_{2}} + \int_{z_{2}}^{z_{2}} \right) \right] \\
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\xi_{12} &= \frac{1}{E} \left[\int_{y_{2}}^{y_{2}} - \Im \left(\int_{x_{1}}^{y_{2}} + \int_{y_{2}}^{z_{2}} \right) \right] \\
\xi_{13} &= \frac{1}{2G} \left[\int_{y_{2}}^{y_{2}} - \Im \left(\int_{x_{1}}^{y_{2}} + \int_{y_{2}}^{z_{2}} \right) \right] \\
\xi_{21} &= \frac{1}{2G} \left[\int_{y_{2}}^{y_{2}} - \Im \left(\int_{y_{2}}^{z_{2}} - \Im \left(\int_{y_{2}}^{z_{2}}$$