

$$S_z = \frac{2}{r} \frac{\partial^2 \varepsilon_{\theta r}}{\partial \theta \partial r} - \frac{\partial^2 \varepsilon_{\theta \theta}}{\partial r^2} - \frac{1}{r^2} \frac{\partial^2 \varepsilon_{rr}}{\partial \theta^2} + \frac{1}{r} \frac{\partial \varepsilon_{rr}}{\partial r} + \frac{2}{r^2} \frac{\partial \varepsilon_{r\theta}}{\partial \theta} - \frac{2}{r} \frac{\partial \varepsilon_{\theta \theta}}{\partial r} = 0$$