$$\frac{6 = 2\bar{\epsilon}_{zz} \left[c_{i3}(s_{ij}) \left(g(s_{ij}) \right] I_{i} \left[\sqrt{3} \right] / \sqrt{3} \right] }{\bar{\epsilon}_{sij} I_{o} \left[\sqrt{3} \right] - 2I_{i} \left[\sqrt{3} \right] / \sqrt{4}}$$

$$\frac{c_{33}(s_{ij})}{2} + f_{i}(s_{ij}) f_{2}(c_{i7}) I_{o} \left[\sqrt{3} \right] - 2I_{i} \left[\sqrt{3} \right] / \sqrt{4}}{2 \left(\bar{\epsilon}_{sij} I_{o} \left[\sqrt{3} \right] - I_{i} \left[\sqrt{3} \right] / \sqrt{4} \right)}$$

3.
$$C_{13}(Si) = \frac{Sr2}{\lambda(Sij)} = \frac{Scr+Sra}{\lambda(Sij)} , \alpha(Sij) = 2Sr2-S22Sra-SrrS22$$

 $\overline{\mathcal{O}}$ - Laplace transform of the average axial stress E_{zz} - Laplace transform of the axial strain E_{rr} , V_{rq} , $t_g = \Gamma_0^2/\hat{E}_K$, C, T_1 , T_2 - unknown material parameters to be defermined by the experiment fitting $f'(\overline{G})$ - inverted $\overline{\mathcal{O}}$ in time domain $f'(\overline{G})$ - inverted $f'(\overline{G})$ in time domain $f'(\overline{G})$ and $f'(\overline{G})$ - 1st-and 2nd-order modified Bessel functions