

III

II

$$\sigma_{rr} = -\frac{A}{n+1} \left[\left(\ln \frac{r}{R} \right)^{n+1} - \left(\ln \frac{r}{r} \right)^{n+1} \right];$$

$$\sigma_{\varphi\varphi} = -A \left(\ln \frac{r}{r} \right)^n - \frac{A}{n+1} \left[\left(\ln \frac{r}{R} \right)^{n+1} - \left(\ln \frac{r}{r} \right)^{n+1} \right];$$

$$e_{rr} + e_{\varphi\varphi} + e_{zz} = 0, \quad e_{rr} = -e_{\varphi\varphi}, \quad e_{\{\{\}} = \ln \frac{r+y}{r} \approx \frac{y}{r}.$$

:

II III

25

2

621.74

.....

Al,

Si

(Al-Si),

4-22 %.

(Cu, Ni, Mn

.),

Fe, Ti, Zn, Ca,

Si

Li, K, Sr),

0.2 – 0.5%.

12,

12%

12

, Si

621.74



Al-Si,

Si.