[illegible] 539.375

[illegible]
[illegible]

[illegible]

[illegible]

[illegible] N_1 [illegible] N_2, [illegible] N_1 [illegible] α [illegible] Ox. [illegible] Ox [illegible] $N_1 = N_1^*$, $N_2 = N_2^*$, [illegible] [1-3] [illegible]

[illegible] $-1 \le d \le 1$ $\left(d = \left(G_2 - G_1\right)/\left(G_2 + G_1\right)\right)$ [illegible]

$$-1 \le -d_1 < d_2 < -d_3 < 0 < d_4 < d_5 < d_6 \le 1.$$

[illegible] $\left(-d_1; d_6\right)$ [illegible] [2, 4]. [illegible] σ_r, σ_θ [illegible]

$$\sigma_r = \frac{A_r}{\sqrt{r}} + 0(1), \quad \sigma_\theta = \frac{A_\theta}{\sqrt{r}} + 0(1),$$

[illegible] $\left(-d_1, d_2\right)$, $\left(d_5, d_6\right)$ [illegible] $A_\theta\sqrt{r}$ [illegible] $A_r/\sqrt{r}$ [illegible] $\left(-d_2, -d_3\right)$ [illegible] $\left(d_4, d_5\right)$ [illegible] (1) [illegible] $\left(-d_3, d_4\right)$ [illegible] (1)) [illegible] $\left(-d_2, d_5\right)$.

[illegible] [4,5] [illegible]

$$\lim_{r\to 0}\left\{\sqrt{r}\,\frac{\partial\sigma_\theta}{\partial\theta}\right\}_{\theta=\theta^*} \qquad (1)$$

$$\lim_{r\to 0}\left\{\sqrt{r}\,\sigma_\theta\left(\theta^*\right)\right\}=K_c, \qquad (2)$$

[illegible] K_c – [illegible],

θ^* – [illegible].

[illegible] σ_θ [illegible] $\sigma_{r\theta}$ [illegible] (1), (2). ([illegible] σ_θ). [illegible] [4,6,7], [illegible]

$$A_\theta^{\max(l,\theta)}\left(\theta,N_1,N_2,G_1,G_2,V_1,V_2\right)=K_{0\theta}, \quad [illegible]\ d\ge d_5 \qquad (3)$$

[illegible] $K_{0\theta}$ – [illegible] θ. [illegible] $A_\theta^{\max(l,\theta)}\left(\theta,N_1,N_2,G_1,G_2,V_1,V_2\right)$ [illegible] α и θ [illegible] σ_θ [illegible].

[illegible] (3) [illegible]

$$N_1^*\tilde{A}_\theta^{\max(l,\theta)}\left(1,\varsigma,\theta,G_1,G_2,V_1,V_2\right)=K_{0\theta}, \quad [illegible]\ d\ge d_5, \qquad (4)$$

$$(\varsigma=N_2^*/N_1^*).$$

[illegible]

$$N_1^*=\frac{K_{0\theta}}{\tilde{A}_\theta^{\max(l,\theta)}\left(1,\varsigma,\theta,G_1,G_2,V_1,V_2\right)=K_{0\theta}}, \quad [illegible]\ d\ge d_5. \qquad (5)$$

[illegible] [1,2], [illegible] σ_r. [illegible] (1)-(5) [illegible] $d\le -d_2$.

[illegible] $r^*<r<r^{**}$, [illegible] $\sigma_{r\theta}$ [illegible].

[illegible] $G_2/G_1>60$ [illegible] $G_2/G_1<0,02$ [illegible] (3)-(5) [illegible].

[illegible]

[illegible]

(1,2)

(2)

[illegible]

$$\lim_{r\to 0}\left\{\sqrt{r}\,\frac{\partial}{\partial\theta}\left[\frac{\sigma_\theta(r,\theta,\varphi,l)}{K(\beta)}\right]\right\}=0\,, \tag{6}$$

$$\lim_{r\to 0}\left[\sqrt{r}\,\sigma_\theta(r,\theta,\varphi,l)\right]=K\left(\beta^*\right), \tag{7}$$

$$\left(\beta^*=\theta^*+\varphi\right),$$

[illegible] α – [illegible]; φ – [illegible] ([illegible]). [illegible] [3], [illegible]:

1) [illegible], 2) [illegible], 3) [illegible].

[illegible]

$$K(\beta)=K\left(0^\circ\right)\left[\cos^4\beta+\left(\frac{K\left(45^\circ\right)}{K\left(0^\circ\right)}-\frac{1}{4}-\frac{K\left(90^\circ\right)}{4K\left(0^\circ\right)}\right)\sin^2\beta\cos^2\beta+\frac{K\left(90^\circ\right)}{K\left(0^\circ\right)}\sin^4\beta\right]. \tag{8}$$

[illegible] [4, 5] [illegible]

$$K(\beta)=K\left(0^\circ\right)\sqrt{1-\sin^2\beta\left[1-\frac{K\left(90^\circ\right)}{K\left(0^\circ\right)}\right]}\,, \tag{9}$$

[illegible] $K\left(0^\circ\right)$, $K\left(45^\circ\right)$, $K\left(90^\circ\right)$ – [illegible] ([illegible]), [illegible] $\beta=0^\circ, 45^\circ, 90^\circ$.

[illegible] (8)) [illegible] (9). [illegible] $K\left(0^\circ\right)$, $K\left(45^\circ\right)$, $K\left(90^\circ\right)$ [illegible] $K\left(0^\circ\right)$, $K\left(90^\circ\right)$ [illegible] (9). [illegible] (6) [illegible] K [illegible] β [illegible] (8), (9) [illegible].

[illegible] (7) [illegible] (7) [illegible] (7) [illegible]:

[illegible];

[illegible];

[illegible].

[illegible] $\sqrt{\dfrac{E_x}{E_y}}\le 2$ [illegible] σ_θ [illegible] $\theta=0^\circ$. [illegible] (8) [illegible] (45°) [illegible] (0°), ([illegible]) [illegible] β, [illegible] (6) [illegible] (1), (2) [illegible]. [illegible] $\sqrt{\dfrac{E_x}{E_y}}>4$ [illegible] σ_θ [illegible] (6), (7) [illegible], [illegible] σ_θ [illegible].

[illegible] (6),(7) [illegible] (7) [illegible]

[illegible]

1) [illegible], 1972, 2, [illegible] 89-92.
2) [illegible], 1973, 10, [illegible] 8-11.
3) [illegible], 1966, 2, 11, [illegible] 63-67.
4) [illegible]. 1968, 246 [illegible]
5) [illegible], 1968, [illegible] 10-15.
6) [illegible], 1967, 6, [illegible] 88-128.
7) [illegible], 1974, 416 [illegible]