. 120 « **–10:**

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10

$$I = \rho S \int_L r^2(L)\, dL$$

ρ - , / ^{3}; S -

, ^{2}; L - , ; $r(L)$ -

- L, .

.

$$I = \rho S \int_L r^2(\varphi) \sqrt{r^2(\varphi) + \left(\frac{dr}{d\varphi}\right)^2}\, d\varphi$$

$r(\varphi)$ -

.

,

. ,

, , n

:

$$I = \rho \sum S_i \int_{\varphi_{0i}}^{\varphi_{0i}+\Delta\varphi_i} r_i^2(\varphi) \sqrt{r_i^2(\varphi) + \left(\frac{dr}{d\varphi}\right)^2}\, d\varphi \qquad \text{——(2.53)}$$

S_i - i- , ^{2}; $\Delta\varphi_i$ -

i - , ; φ_{0i} - i - ,

.

S_i ,

. , ,

$$S_i = b^2$$

$$R_1, R_2, R_3 \quad - J_1, J_2, J_3.$$

, . .

$$\sum J_i = 10,31\, b^2$$