

Таблица интегралов

$$\begin{aligned} \sqrt{r} &= \sqrt{r} \left(\cos \left(\frac{\varphi + 2\pi k}{n} \right) + i \sin \left(\frac{\varphi + 2\pi k}{n} \right) \right), k = 0, 1, \dots, n-1 \\ z^n &= r^n (\cos n\varphi + i \sin n\varphi) \\ z_1 \cdot z_2 &= r_1 \cdot r_2 (\cos(\varphi_1 + \varphi_2) + i \sin(\varphi_1 + \varphi_2)) \\ \frac{z_1}{z_2} &= \frac{r_1}{r_2} (\cos(\varphi_1 - \varphi_2) + i \sin(\varphi_1 - \varphi_2)). \end{aligned}$$