

$$\text{Res}_o^{\tau} \underline{\eta} / \tau \eta = \nu_o$$

$$\tau \eta = \tau \underline{\eta} (\tau - o)^k: \quad o \underline{\eta} \neq 0$$

$$\tau \underline{\eta} / \tau \eta = \frac{\tau \underline{\eta} k (\tau - o)^{k-1} + \tau \underline{\eta} (\tau - o)^k}{\tau \underline{\eta} (\tau - o)^k} = \frac{k}{\tau - o} + \tau \underline{\eta} / \tau \eta$$

$$\vartheta \mathfrak{L}_r = o + r \mathbf{e}^{\vartheta i}: \quad \alpha_r \leq \vartheta \leq \beta_r$$

$$\int_{d\tau}^{\mathfrak{L}_r} \tau \underline{\eta} / \tau \eta = \int_{d\tau}^{\mathfrak{L}_r} \frac{k}{\tau - o} + \int_{d\tau}^{\mathfrak{L}_r} \tau \underline{\eta} / \tau \eta$$

$$\int_{d\tau}^{\mathfrak{L}_r} \tau \underline{\eta} / \tau \eta \leq |\mathfrak{L}_r| \overline{\underline{\eta} / \eta} \rightsquigarrow 0$$

$$\int_{d\tau}^{\mathfrak{L}_r} \frac{1}{\tau - o} = \frac{1}{2\pi i} \int_{d\vartheta}^{\alpha_r | \beta_r} \frac{\vartheta i \mathbf{e} r i}{\vartheta i \mathbf{e} r} = \int_{d\vartheta}^{\alpha_r | \beta_r} = \frac{\beta_r - \alpha_r}{2\pi} = \frac{1}{2\pi} \begin{cases} \beta_r - \pi/2 \rightsquigarrow \pi/6 - \pi/2 = -\pi/3 & o = \varrho \\ \beta_r - \alpha_r \rightsquigarrow 0 - \pi = -\pi & o = i \\ \pi/2 - \alpha_r \rightsquigarrow \pi/2 - 5\pi/6 = -\pi/3 & o = \varrho + 1 \end{cases}$$

$${}^t \mathfrak{L}_R = \frac{1}{2} - t + iR$$

$${}^t \mathfrak{V}_R = {}^t \mathfrak{L}_R \mathbf{e}_C = -2\pi R \mathbf{e}^{-2\pi i t} \mathbf{e}$$

$$\underline{\mathfrak{C}} \mathbf{e} = 2\pi i z \mathbf{e}$$

$$\underline{\mathfrak{C}} \mathbf{e} \times \eta = \underline{\mathfrak{C}} \mathbf{e} \underline{\eta}$$

$$\underline{\mathfrak{C}} \mathbf{e} \times \eta / \overline{\underline{\mathfrak{C}} \mathbf{e} \times \eta} = \frac{\underline{\mathfrak{C}} \mathbf{e} \underline{\eta}}{\overline{\underline{\mathfrak{C}} \mathbf{e} \underline{\eta}}} \underline{\mathfrak{C}} \mathbf{e}$$

$$\int_{d\tau}^{\mathfrak{L}_R} \tau \underline{\eta} / \tau \eta = \int_{dz}^{\mathfrak{L}_R} \underline{\mathfrak{C}} \mathbf{e} \times \eta / \overline{\underline{\mathfrak{C}} \mathbf{e} \times \eta} = \underline{\text{deg}}^{\mathfrak{L}_R} \underline{\mathfrak{C}} \mathbf{e} \times \eta = \underline{\text{deg}}^0 \underline{\mathfrak{C}} \mathbf{e} \times \eta = \underline{\text{deg}}^{\infty i} \eta$$