$$T = \sum bnean$$

$$T_{1}e^{pr} = \frac{-a sh(5p(a-x))e^{pr}}{kp\sqrt{p}} - a\left(\sqrt{b(a-x)} + \frac{(5p(a-x))^{3}}{3!} + \dots\right)\left(1+p^{n}+\dots\right)$$

$$P = 0 \quad 4nopagka$$

$$T = \int_{-\infty}^{+\infty} T e^{+p\tau} dp$$

$$= \frac{-\frac{\alpha}{k} (a - x + \frac{p(a - x)^3}{3!} + ...) (1 + p\tau + ...)}{k}$$

$$= \frac{-\frac{\alpha}{k} (a - x + \frac{p(a - x)^3}{3!} + ...) (1 + p\tau + ...)}{k}$$

$$= \frac{-\frac{\alpha}{k} (a - x + \frac{p(a - x)^3}{3!}) e^{p\tau} 1 = -\frac{\alpha}{k} (a - x)}{k}$$

$$T_{\underline{a}} = -\frac{q}{\kappa} (a - \kappa)$$

$$P = 0 \qquad Q \left(h \left(\sqrt{pa + \frac{(pa)^{2}}{3!}} + \dots \right) + \sqrt{p} \left(1 + \frac{(\sqrt{pa})^{2}}{2!} + \dots \right) \right) \left(1 + \frac{(\sqrt{p(a-x)})^{2}}{2!} + \dots \right) e^{p^{2}}$$

$$4 \left(h \left(\sqrt{pa + \frac{3!}{3!}} + \dots \right) + \sqrt{p} \left(1 + \frac{(\sqrt{pa})^{2}}{2!} + \dots \right) \right) \left(1 + \frac{(\sqrt{p(a-x)})^{2}}{2!} + \dots \right) e^{p^{2}}$$

$$4 \left(h \left(\sqrt{pa + \frac{3!}{3!}} + \dots \right) + \sqrt{p} \left(1 + \frac{(\sqrt{pa})^{2}}{2!} + \dots \right) \right) \left(1 + \frac{(\sqrt{pa})^{2}}{2!} + \dots \right) e^{p^{2}}$$

res
$$\left(\frac{\varphi(p)}{\psi(p)}, p = a\right) = \frac{\varphi(a)}{\psi(a)}$$

res $\left(\frac{\gamma}{1_2}, p = 0\right) = \frac{\varphi(a)}{\psi(a)} + \frac{\varphi(a)}{\varphi(a)} + \frac{\varphi(a)}{\varphi(a)} + \frac{\varphi(a)}{\varphi(a)} = \frac{\varphi(a)}{\varphi(a)}$

$$P = \varphi(p)$$

$$P: \sqrt[3]{5} + \sqrt[3]{5} = 0$$
 $P_n = \left(\frac{\chi_n}{\alpha}\right)^2 - \sqrt{5} + \sqrt{5} = 0$

$$\Delta T - \frac{\Omega T}{\alpha \tau} = 0$$

$$\frac{\Omega^2 T}{\Omega \sigma^2} - \frac{\Omega T}{\alpha \tau} = 0$$

Yerobell :

 $T(0, \tau) = f(\tau)$ T(a, 2) = 0

$$T = C_1 \operatorname{sh} (\overline{\operatorname{Ip}}(a-\alpha)) + C_2 \operatorname{ch} (\overline{\operatorname{Ip}}(a-\alpha))$$

$$T|_{\alpha=0} = C_3 = 0$$

$$T|_{\alpha=0} = C_1 \operatorname{sh} (\overline{\operatorname{Ip}}\alpha) = \overline{f(p)}$$

$$C_1 = \frac{\overline{f(p)}}{\operatorname{sh}(\overline{\operatorname{Ip}}\alpha)}$$

$$T = \frac{\overline{f(p)}}{\operatorname{sh}(\overline{\operatorname{Ip}}\alpha)} \operatorname{sh} (\overline{\operatorname{Ip}}(a-\alpha)) = \overline{f(p)} \xrightarrow{\operatorname{sh}(\overline{\operatorname{Ip}}\alpha)} \xrightarrow{\operatorname{sh}(\overline{\operatorname{Ip}}\alpha)} \overline{f(\alpha)}$$

$$\operatorname{Ilo} + \operatorname{hologophice} : T(\alpha, \alpha) = \int_{\alpha}^{\infty} f(\alpha) \cdot T_1(\alpha, \alpha) + \operatorname{hologophice} \cdot T_1(\alpha)$$

$$\operatorname{Ilo} + \operatorname{hologophice} : T(\alpha, \alpha) = \int_{\alpha}^{\infty} f(\alpha) \cdot T_1(\alpha, \alpha) + \operatorname{hologophice} \cdot T_1(\alpha)$$

$$\operatorname{Sh} (\overline{\operatorname{Ip}}\alpha) = 0 \qquad \operatorname{Pn} = -\frac{(\operatorname{In}n)^2}{\alpha^2} \qquad \operatorname{Sh}(\operatorname{Ix}) = \frac{e^{\operatorname{Ix}} - e^{-\operatorname{Ix}}}{2!} = \operatorname{Sin}(x)$$

$$\operatorname{Sh} (\overline{\operatorname{Ip}}\alpha) = 0 \qquad \operatorname{Pn} = -\frac{(\operatorname{In}n)^2}{\alpha^2} \qquad \operatorname{Sh}(\operatorname{Ix}) = \operatorname{In} \cdot \operatorname{$$

$$\frac{\sin\left(\left(\frac{nn}{a}\right)(a-x)\right)}{\frac{a}{2}\frac{nn}{a}\cos\left(\frac{nn}{a}\right)} = (-1)^{n}$$