mliga korelagi - suille (4+(x)\$\hat{\psi}(x')>= Tr(\hat{\hat{g}}\hat{\psi}(x)\hat{\psi}(x))=\frac{1}{2}\sum_{\text{total}}\sum_{\text{total}}\hat{\psi}(x)\hat{\psi}(x)\hat{\psi}(x))\langeright Semo po wrzejsthich obsadseniách poziamów thich in I me = 11 To jui ablingtimy posiomin thick, is I mu = N ê (x) = ==== eigx âq 1 = [q'x'-qx) aq aq' [sul] = [q'x'-qx] = [= 1 = 1 = 1 = ei(q'x'-qx) = 15 [sumu < | mus| à q à q' | 4 mus> = $= \frac{1}{2} \sum_{i=1}^{N} \sum_{q} \frac{1}{2} e^{iq(x'-x)} e^{ip\sum_{q} \sum_{m} m_{m_{q}}} = \frac{1}{2} \sum_{q} \frac{1}{2} < m_{q} > e^{iq(x'-x)}$ Konystomy 2 $S_{N,Z_{nu}} = \frac{1}{2\pi} \int_{0}^{u\pi} d\xi e^{i\xi(N-\sum_{n=0}^{u})} i mony$ $= \frac{1}{2\pi^{2}} \int_{0}^{1} \sum_{q=0}^{u} e^{iq(x-x)} \int_{0}^{u} d\xi e^{i\xi N} \sum_{n=0}^{\infty} \sum_{n=0}^{\infty} m_{q} \prod_{q=0}^{u} e^{(i\xi+\beta \epsilon_{u})m_{q}} =$ Wry, this surry, option q-toj, to sury sorregio geometry myl. Dla q-tej sung mong sung type \int n=0 q== $= \frac{1}{2\pi^{2}} \frac{1}{L} \sum_{q} e^{iq(x'-x)} \int_{0}^{2\pi} d\zeta e^{i\zeta N} \int_{0}^{2\pi} \frac{1}{(1-e^{-(i\zeta+p_{5}q)})^{2}} = \frac{e^{-(i\zeta+p_{5}q)}}{(1-e^{-(i\zeta+p_{5}q)})^{2}}$ $=\frac{1}{2\pi 2}\frac{1}{L}\sum_{q}e^{iq(x'-x)}|_{q}, gdzie$ 19 = Self. e ign (1- e ((1 + p = 4)) (1 - e ((1 + p = 4))) = Scanned by CamScanner

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writing serious
$$e = e^{-\frac{\pi}{2}} \frac{1}{e} + \frac{1}{e^{-\frac{\pi}{2}} r_{11}} \frac{e^{-\frac{\pi}{2}} r_{11}}{(e - e^{-\frac{\pi}{2}} r_{11})^{2}} \frac{e^{-\frac{\pi}$$

(a) Extremal 10 oblications 2 th. 0 residents 10 = 2 Th 2 The 2

10 = 2 Th
$$e^{-\rho N L_0} \prod_{n=1}^{\infty} \frac{1}{(1-e^{-\rho(n-k_0)})^n} \left[N+2 \sum_{k=1}^{\infty} \frac{1}{1-e^{-\rho(n-k_0)}}\right] + \frac{1}{1-e^{-\rho(n-k_0)}} \left[N+2 \sum_{k=1}^{\infty} \frac{1}{1-e^{-\rho(n-k_0)}}\right] + \frac{1}{1-e^{-\rho(n-k_0)}} \left[N+2 \sum_{k=1}^{\infty} \frac{1}{1-e^{-\rho(n-k_0)}}\right] + \frac{1}{1-e^{-\rho(n-k_0)}} \left[N+2 \sum_{k=1}^{\infty} \frac{1}{1-e^{-\rho(n-k_0)}}\right] = 2 The explosion of the property of the prope$$

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$$\int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} + \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} + \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} \int_{q=2}^{\infty} \frac{1-e^{\gamma_{0}(q-\epsilon_{0})}}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}}} \int_{q=2}^{\infty} \frac{1}{\sqrt{1-e^{\gamma_{0}(q-\epsilon_{0})}}} \int_{$$

Ost terrie

$$\angle \hat{\mathcal{Y}}(x)\hat{\mathcal{V}}(x') = \frac{1}{Z} \frac{1}{2} \left(\frac{1}{2\pi} + \frac{1}{Z} \left(\frac{1}{Z}$$