Parametry:
$$\xi = \frac{2\pi r h^2}{mL^2}$$
 $\gamma = \frac{q}{2L\xi}$

1 L&L - Fizylor Stat II rozdnist o modnishtości weny 25,4 - 25,19
$$\mathcal{E}(p) = \left[u^2 p^2 + \left(\frac{p^2}{4m}\right)^2\right]^{1/2} \qquad u = \left(\frac{4\pi t^2 a N}{m^2 L}\right)^{1/2} \qquad q = \frac{4\pi t^2 a}{m}$$

Laurieniamy senny poo pogdah wi H ma senny poo k E(h) = [3N (2mEh2) + 22 47] 1/2 = E[47Nh2+44] 1/2

Depletion to $\sum_{u\neq 0}^{N_p} N_p = \frac{m^2u^4}{2 \varepsilon(\psi) \left(\varepsilon(u) + \varepsilon h^2 + mu^2\right)}$

2 Notathi 2 MK IIB

Delitracejeze teoreformaje Bogolulowa majdziemy

au = chou bu + shou b. t at = chou but + shou b.u

Quan = (do but + show b-u) (do on bu + show b. t) = che bu bu bu bu the + chou show but but + choushou b-u bu + she ou b-u b-u b-u = chou bu bu bu bu + choushou (bu+b-u+b-u ba) + she ou + she ou but bu

Teraz obliczamy Lanau = Tr (gartan)

Shad jest livious. Catou poolheeilong ma zera na diagonali w basic, u letrej ĝ jest diaz. - min ma whitadu do Latuar. Obsadanie et mu &

Non = shi Du + chi Du Mu + shi Du Mu

M'n i m'n to obsadenia lawazicząstel - bozorów joodlągającym statystyce B-E. W T=0 mu=0i n-u=0. Czyli & Nu = shi Qu Wienny ze to we challe = to she to con shall = - ya gdzie $t_{1}\Omega_{1} = \epsilon h^{2} + \frac{Ng}{L} = \epsilon (h^{2} + 2gN)$ $t_{1}U_{1} = \sqrt{\epsilon^{2}h^{4} + 2\epsilon h^{2} \cdot \frac{N}{L}g} = \frac{1}{2}$ = E \ 44 + 4 & k2 8 N du 20 u = to Du = \$\frac{\psi (\hat{u}^2 + 2\gamma N)}{\psi (\hat{u}^4 + 4\hat{u}^2 gN)} = \frac{\hat{u}^2 + 2\gamma N}{(\hat{u}^4 + 4\hat{u}^2 gN)} ch 2 du = sh' Du + ch' Du = 1 + 2 sh' Qu sh20n = dr20n-1 x (12 +2 y N) 2 - 164 - 4 12 y N (12 +2 y N + \ 14 + 4 12 y N') = 2 x2 N2 \[\lambda^2 + 4 \lambda^2 \gamma \lambda^2 + \lambda^2 \gamma \lambda^2 + \lambda^2 \gamma \lambda^2 + \lambda^2 \gamma \lambda^2 \lam

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l dortojeny wzór jak w 1.