

MATPHYR MOTHORTH Pace spege se une 145 ca Ppunyun Manen mans were Ansporme MATPU ya MOTHOCTA Barnen /M. CoSc Tse unas 11 100 = Fa 100 Code 13e mune COCTOR und Npcg no no x un <a la' > = Sa, a' CTAS COCT: 14> = 2 Ca la> $\sum |c_a|^2 = 1$ Cpes nee / ug KM) 241A14> = TrpA ge ρ = 14 > 241 = 2 ca co* 1a > 261 MATPH ga protucesh uncroso cocros une

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 $\mathcal{O}_{+} p = i E p, 43$

Ypa bre nee Ayu burn Marpusa zan xuy Ton Cucre ma ygobre T sope es Cm.

Pacpeçe ne une Tuoca

DAS MHOTUX MORENDO GAMMAN CUCTER

S OPUCSIBACTICE PACTORES.)
-ph -ph -ph

 $\beta = \frac{e^{-\beta N}}{Z}$ $\frac{Z}{Z} = Tr e^{-\beta N}$ $\frac{Z}{Z} = (KANONUTECKAL CHAT. C$

Cpcg hee ZA = Tr pA

Cucre MA + p (rusca) = tepmogunan paknokec.

PARGUD MARCUMANGROCTU TREPORCUE (gon hew mans) Onpegueun Furponus & upe & P S= - Try Eng Marcu mi zapjem znopo suro C y crobuer TrpH = E = cust 3 am wen 1 ATpa H Auan L= -Tr glng -p(E-Trgh) Musturens MATPAN Xa Bapinpyen no Jo SL = -In (Sp (lng +ph)) =0 ln (p+ph)=0
p & e-ph

2. Tepmogunamuka Cucrem e repe-MEHHOIM LUCTOM HACTUS. Tepmogunamunecum Morenguan Ypa bue me cocro AMU A Tepmoganamuka cucrem c nepemenmu une-MOM hac $\overline{79}$ & Pace morphy notion and we not acry:

The then MAH = $S = pS = + \ln Z = \frac{9(T \text{ is } Z)}{9T}$ $S = \frac{1}{2} =$ F=-Tlnz choog my to Thepru to Oppege min F= E-TS 5= - (DF) 5= - (7T)

Chara genc Payro yar pa CTR May B cocto same

(a> , onpe se na este $z=-\frac{1}{2L}$ $P=-\frac{1}{2}\frac{\sum_{a}\frac{\partial E_{a}}{\partial L}}{\partial L}e^{-BE_{a}}=-\frac{1}{2}\frac{\partial A}{\partial V}e^{-BA}$ $=-\left(\frac{2^{E}}{2^{V}}\right)_{T}$

1) FATPOPUR POR NEW MAHA FR by laneuty 12

TEPM = GUNA MUNECKOT

2) Z ONDESE MART F

3) B = I

4) F ADYNAGUA OF TUV onpesence

S u P B Tep mo ga un mu ne

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Tr gl = = = const JUT po sur Tr pn = N = consta top apagnee meno onepa top 4uc 12 haeryy Begen 2 MNOXUTER AATPANKA BA b= -Tr plnp+B/E-Trpn)+Bn(Trpn-N) Bapurpen no Sp 84= -Tr (89 (lng +ph-pnn)=0 $ln p + ph - p \mu n = 0$ $p \propto e \qquad p \left(\mu m - h \right)$ $S = \frac{-\beta \Lambda + \beta_{\Lambda} n}{Z}$ $\frac{Z}{Z} = Ir e^{-\beta \Lambda + \beta_{\Lambda} m}$ $\frac{Z}{Z} = Ir e^{-\beta \Lambda + \beta_{\Lambda} m}$ $\frac{Z}{Z} = Ir e^{-\beta \Lambda + \beta_{\Lambda} m}$ Sons moto KARO un recuir anca nons Tepmograna murecking notengan

Mepez Sons my 10 CTAT cyny onpegemen Tepmo za MAMA nec mão notenga an $\Omega = -7 ln Z$ l^{xun} novençuas De goznagua of T,V, p Cpcg nee kucno nactus $N = T_r g n = -\left(\frac{\partial \Omega}{\partial r}\right) T_r v$ Mcnons 35 a onpegeneme 248ponue S= - In plng S=BE-BUN-BS = - (28) Tin p ne heratae Ber 603 mox no ers 0 vzne neme uners yacory $P = -\left(\frac{2\lambda}{2\nu}\right) \tau_{1n}$ Xum noten quan enpegana Kan n= (OF) TIV FIEL P TUE

$$N = T_{p} \qquad = \left(\frac{\partial \mathcal{L}}{\partial p}\right)^{\frac{1}{2}} \sqrt{p_{q}}$$

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