1	1. 11.
D	envution

Picro 2 9; Oi = Dit Di . D'Oi"(r) 2 9; (r).

Where ever 2 460

Price poly (- of this continuation is averaged cloud of continuation change density:

Price 2 2: No 9: exp (- or of continuation)

27 D'Oi"(r) = 2: Ni 9: exp (- or of continuation)

Eleo

28 D'Oi"(r) = 2 - 2: Ni 9: exp (- or of continuation)

Eleo

Expanding exponential: $\nabla^2 \Phi_i''(r) = -\frac{2i}{2i} \left[\frac{n_i q_i}{n_i q_i^2} \Phi_i''(r) \right] response tial is the second of the second$

3 thre solution electrically neutral: 2: n: 4:=0

27 72 \$6" (V) 2 Zi (noqui qi"(V))

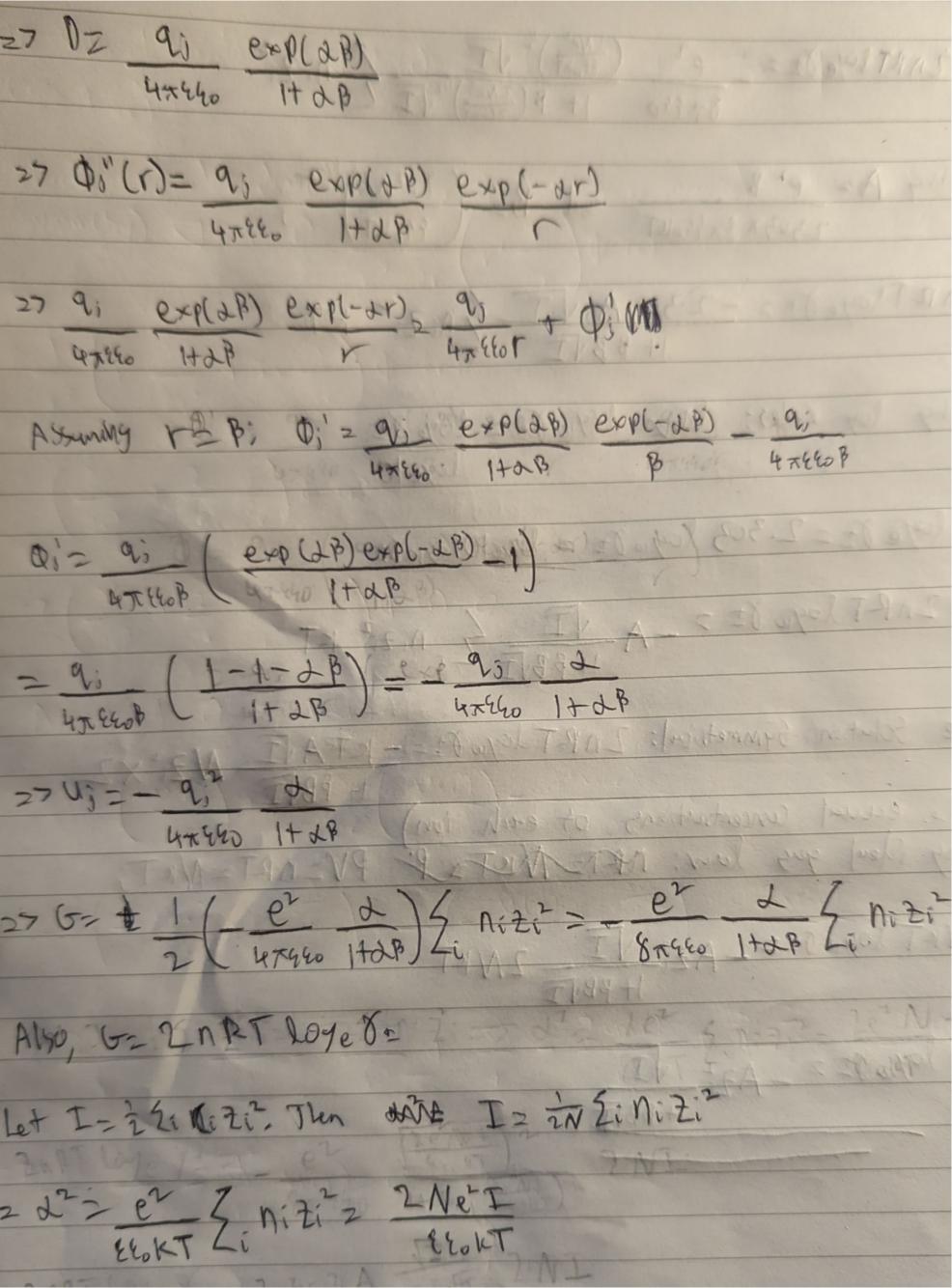
200

2 82 (2 nizi2) \$"(r)

1 27 $\sqrt{2}$ 9;" (1) $2\sqrt{2}$ 9;" (1) with $\sqrt{2} = e^2 \sqrt{2}$ nizing

27 02 0% (r) m - 22 0; "(r) = 0

(sh \$ 30) There is no dependence on 8 or \$ (us make assured sul special symmetry); $\nabla^2 \Phi_i^{"}(r) > 1 + 3 + (r^2 \frac{3}{3}r) \Phi_i^{"}(r)$ 2 / (2 3 + 2 × 3) 0;"(1) $= \left(\frac{9^{12}}{9^{2}} + \frac{1}{5} + \frac{9^{1}}{5}\right) \phi_{11}^{2}(x)$ $= 7\left(\frac{\partial^2}{\partial r^2} + \frac{2}{r}\frac{\partial}{\partial r} - \frac{\partial^2}{\partial r^2}\right)\Phi_{i}^{i'}(x) = 0$ Assume po'co = + u(r): =7 2 (M(n) + 2 2 (M(n) - 2 M(n) = 0 27 dr (- 410) + 2 (- 410) + 2 (- 410) = 0 27 2 min - 3 + 2 - 2 + 3 - 2 min) + 2 3 - 2 min) = 0 27 1 32M - d u(r)=0 Setting up A.E: = y2-==0



27 ZNRT Roye 8±2 e ² (Elout) II II Zo no Zi
Letting An er B and Bz (ZerN) 1/2;
2NRThaye J= 2-2303 A VI
Using log rules: logger log10 8+= loge 8+= loge 10
27 loye J= 22.303 loy 10 J= 2 loye 10 loy 10 J=
27 2nRT loyno 8= 2 A VII & nizi2 KT 1+BBVI Zinz
Since Solution Symmetrical: 2nRTloy108==-KTAVI N/22/2
Ugshy islaw: METE MICTER PV=NRT=NRT
2NKTloy100==-AZZVII 1+PBVI 2NKT
27 loy 07=2 - AZ2 VI 1+BBVI