



 $f(E) = g(E) \rightarrow N$  umber of gumdom stict  $f(E) = g(E) \rightarrow N$  umber of gumdom stict  $f(E) = g(E) \rightarrow N$ n(E) = f(E), g(E) $\int_{0}^{\infty} n(e)dF = \int_{0}^{\infty} + (E) \cdot g(E) dE$   $= \int_{0}^{\infty} + (E) \cdot g(E) dE + \int_{0}^{\infty} + (E) \cdot g(E) dE$   $= \int_{0}^{\infty} + (E) \cdot g(E) dE + \int_{0}^{\infty} + (E) \cdot g(E) dE$ + N = | FF glo df  $9E)dE = 8V2 \pi V m^{\frac{3}{2}} E^{\frac{1}{2}} LE$   $N = 8(2\pi) V m^{\frac{3}{2}} E^{\frac{1}{2}} LE$   $N = 16(2\pi) V m^{\frac{3}{2}} E^{\frac{3}{2}}$   $3h^{\frac{3}{3}}$ +(0)/2 roultiplying the both side of the equation each term with the power of  $\frac{2}{3}$  then we got term with  $\frac{1}{2}$   $\frac{$ 

F 2 3 Fp @ M M I verage Energy or mean internal Energy E= foliage. Adt == 1) +(E). g(E). F. de = = 1 ) f(e) g(e). F. de + 1 / + (e) go. e. de € 2 1 (e) g(e) F.de. Ē = 852 71 rm² JE 2 de P 2 16 12 71 r m 32 F 52 2 16 5/2 7/ y/ m/2 . E = 2 x 3 K 5 K 5/ 8 y/ m/2 E = 2 3 FF