14 Sics 34 Equation Sheet

Maxwell's Equations PB=SBdA Gauss' SEdA = Qene PE=SELA

Arend & B de = Mo Iene + (Mo E of DE

Fortaday's SÉ. de = - d PB

Proper \$ B. dA = 0

Maxwell's Wave Equations

Distribution Function?

6 P(S)===e

KB = 8.617 X10 = EV

2 fairition function 5 = State

 $\langle X \rangle = \{ X(s), P(s) \}$

3 Bluckbay

displacement current

-between copyrites

- Maxwell Law of induction

Stat - Mech < x>= { x(s) P(s)

CX>= SXP(x)dx

N(E)=g(E)E

Relativity

Waves

B=B0c08(x(x-v+))(A)-C=1240cV.nM

QUARTUM PAYED AtOMIC PHYSICS

a0=0,5201 A 2dsine=n7

K Brag 2 (19:49 ground State L= 15 2-bohr

Locentz transformations IN'= X(X-VE) Po- tmoVo E = E - TEB DOPPHER

E= rme2 1 - 1 = me (1 - cospprodu)

(E) = (r-1) mc2 1 = meg ot - ae neg

(E) = (RC) 2 + (ma) 2 1/E = 10 m = 10 nm

1eV=1,6×10-191

ke2=1.4 eV.m

