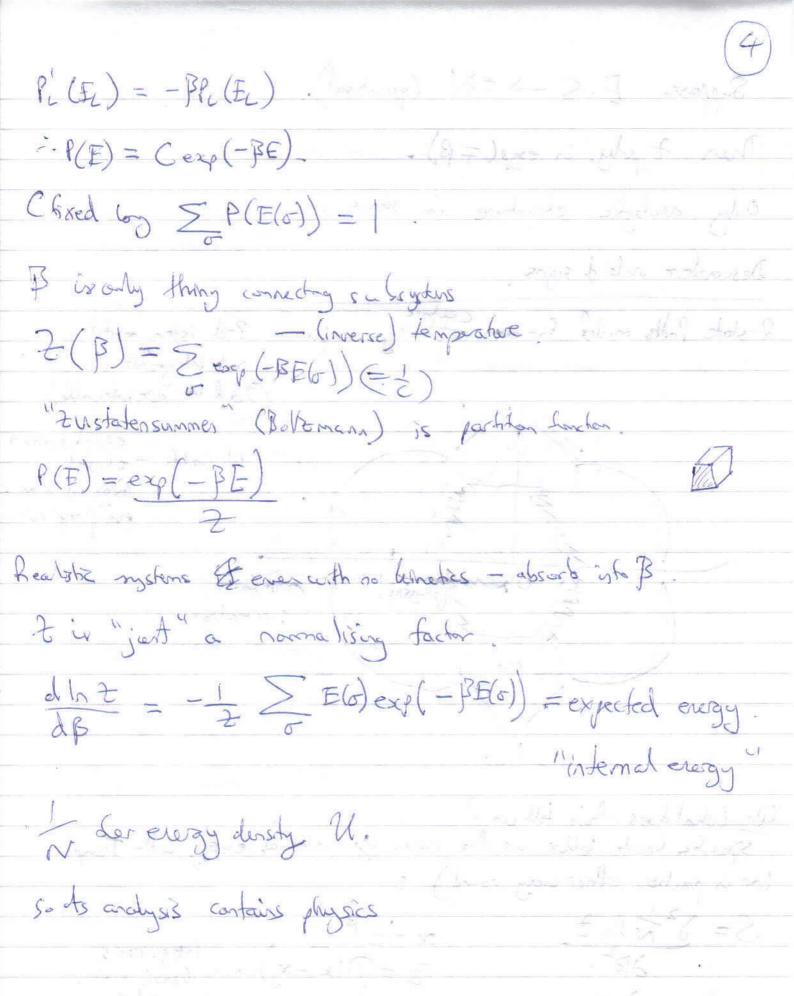
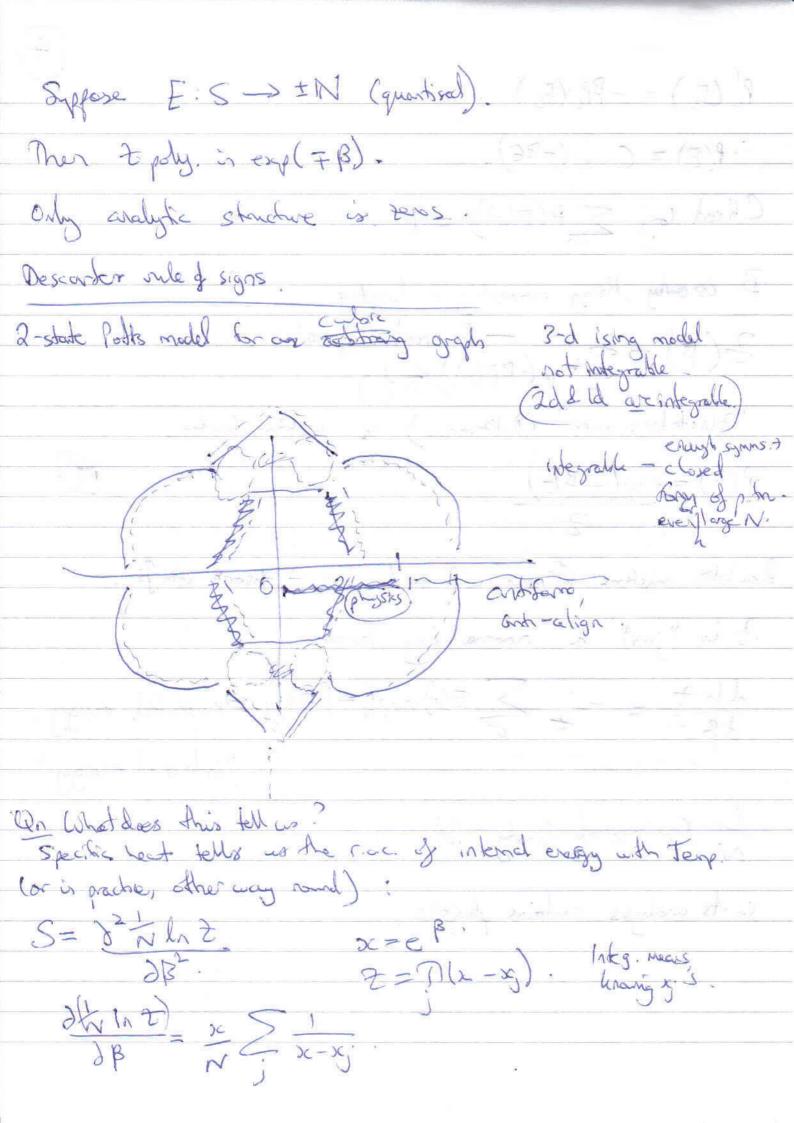
Statistical Mechanics II.	16/10/08.
Paul Martin - Basks	
Physicals - sometimes need to mad - blowing energy is happen	el interesting many-body mystems.
$E_{kin} = \sum_{i=1}^{\infty} \hat{z} m_i V_i^{\alpha}$	
But dv = F/m, so reed to understand	I the force's acting.
But $\frac{dv}{dt} = \frac{1}{7}m$, so read to understand eg. $F_1 = \frac{q_1 q_2}{4n \epsilon_0} \frac{f_{12}}{r_{12}^2} = -F_2$.	Callomb Porce. (4)2.
For a promet think of this as a doro Conservative => F = - To some	a field crecked by 92 actory ong,
G(r) is port of potential energy of i E = 2my + G. So E depends on relation of positions of We'll never heap brack, prefer to know	all atoms is system.
Call inaccessible complete microscopic spec	Acaton "microstate" 5 ercoder all
Ask: what is probability P(0) of End Expected value of bull obs.	by system is starte or at a green what
$\langle \mathcal{J} \rangle = \sum \mathcal{J}(s) f(s)$.	But what is 010).
Choose O	Intensive doesn't
Choose O	
It all we know is the told energy	

20/01/12	I wonder the Latertain	
We can't isolde a realistic system, so assume $P(\sigma) = P(E(\sigma))$.	o contaxe & Satural Just	
assume $P(\sigma) = P(E(\sigma))$.		
and the state of the delication of	here to the same - designed	
So what is this hurchon?		
	5V.78 = 2x 7	
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0 00 mile P/ 1 - P/ \ P/ -	Caract and from	
-c/-k (6) = (6)	e the rest	
σ_{L}, σ_{R} indpt. $P(\sigma) = P(\sigma_{L}) P(\sigma_{R})$ Meanwhile $E = E_{L} + E_{R} + E_{interachor}$ $F \cong E_{L} + E_{R} + E_{interachor}$	I have side in the line	
Thearmine E=E+Ex+Emberachan F=E+Ex+Emberachan 1. (geometry).	nestigible and a lose	
Two F= Ect Ex (geometry).		
The L.R-n bysoms will each have Sundran.	A S WAS 2	
the LIST in systems will each have	their own energy probability	
Suchan .		
P(F+F) 0 = 10 (=)	AMD Z - CO?	
funding. $P(E_C + E_R) = P_C(E_C) P_R(E_R)$		
E_{L} , E_{R} indpt., so $\frac{\partial P(E_{L}+E_{R})}{\partial E_{L}} = \frac{\partial P(E_{L}+E_{R})}{\partial E_{L}}$	NP(E+E)	
LICITED =	7 m	
J-L	JER .	
PL(EL) = PR(FR) = Profume.	JA all strand on the H	
DIE = KATRI = -P	equality.	
Teto) PR (ER) Frate on -B	as must be constant.	
PR (FR) Funk as -B	"constrol separation	



THE WAS





- get a (large) contributes from each tes, x-x; ->0

Ex; gets large.

es water, 2 phase transitions, use TL algebra.