Cv = Cp + T (87) a Parameters compressibility (3V) sound it is (3P) = 3(V,S) = 3(V,S)8(V,T) 3(P,T) (3P) = 3(P,S) = 3(V,S)8(V,T) 8(P,O) 8(P,S) 

Extensive quantities ESF "Specific" variables say Energy perporticle E=Ne(S) X) E=Ne(sov) continue this way W= NW(SP) F=NfT,v) D = N \$ (T, P) chemical Variable # particles DE=TdS-PdV+pdN N: chemical pot. N= (EN) SV generalized 1st & Ind low