Statistical Field Theory Equation Sheet

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Here are some useful equations

Table 1: Equation Sheet

Name/Description	Equation	Remarks
Equilibrium Magnetisation in the Ising Model	$m = \frac{1}{N\beta} \partial_B \ln(Z)$	
Heat Capacity C	$C = \partial_T \langle E \rangle = \beta^2 \partial_\beta^2 \ln(Z)$	
Calculating Critical Exponents		