Table 9.1 CLASSIFICATION OF FIXED POINTS

Codimension	Value of ξ	Type of Fixed Point	Physical Domain
0	0	Sink	Bulk phase
1	0	Discontinuity FP	Plane of coexistence
1	0	Continuity FP	Bulk phase
2	0	Triple point	Triple Point
2	∞	Critical FP	Critical manifold
Greater than 2	∞	Multicritical point	Multicritical point
Greater than 2	0	Multiple coexistence FP	Multiple coexistence

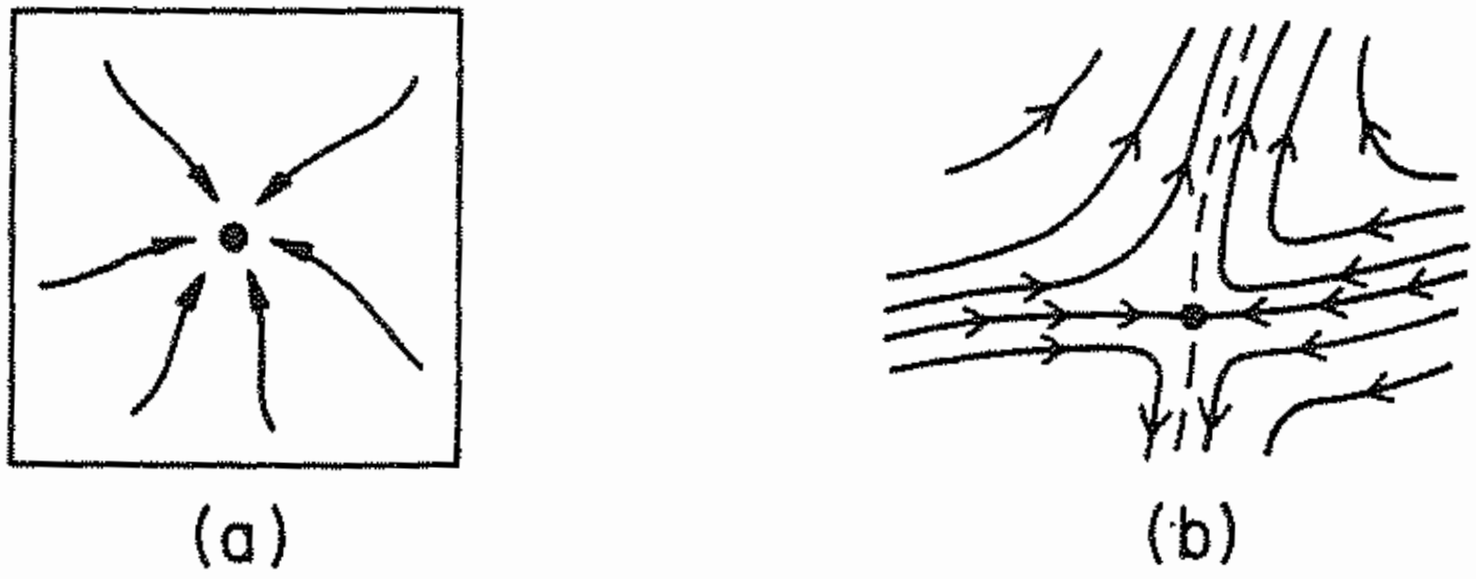

Figure 9.2 Renormalisation group flows near a critical fixed point: (a) View of flows on the critical manifold. (b) View of flows off the critical manifold.

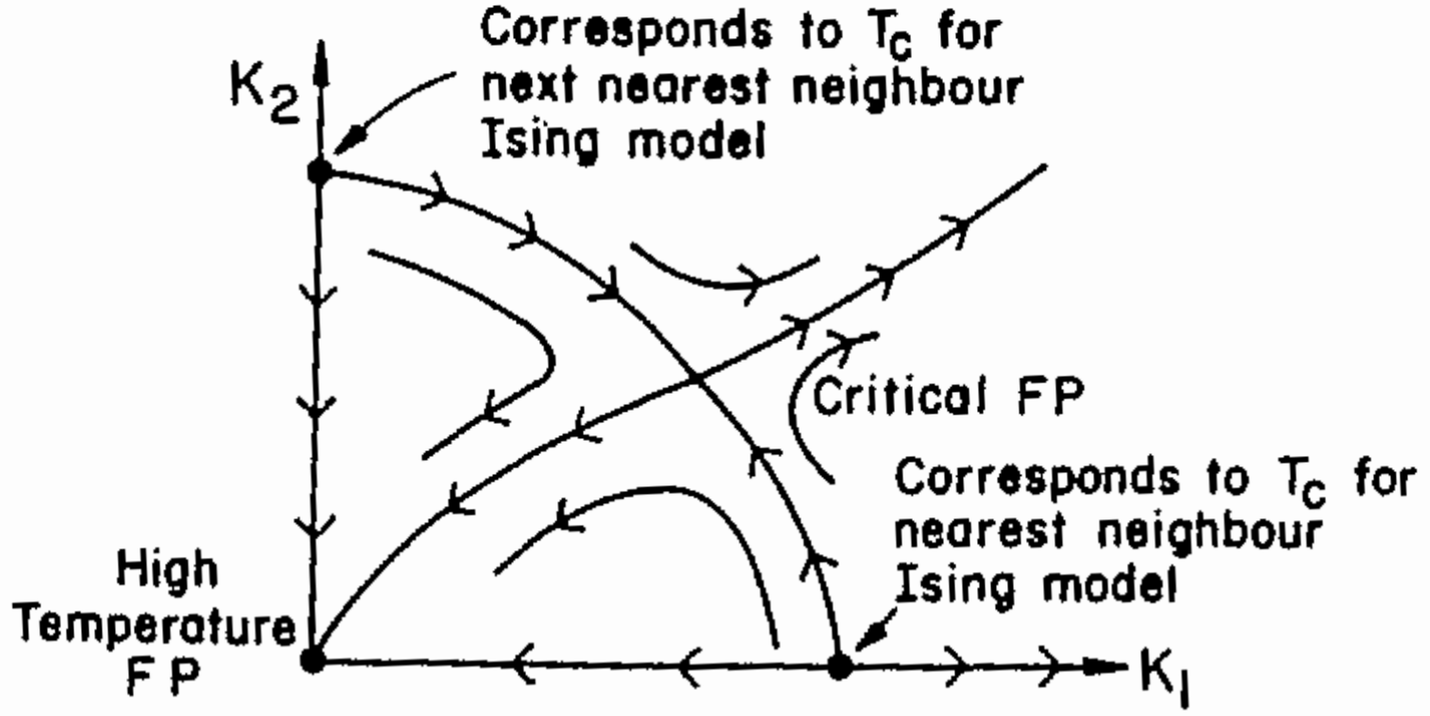

Figure 9.3 Flow diagram for an Ising model with nearest and next nearest neighbour interactions.

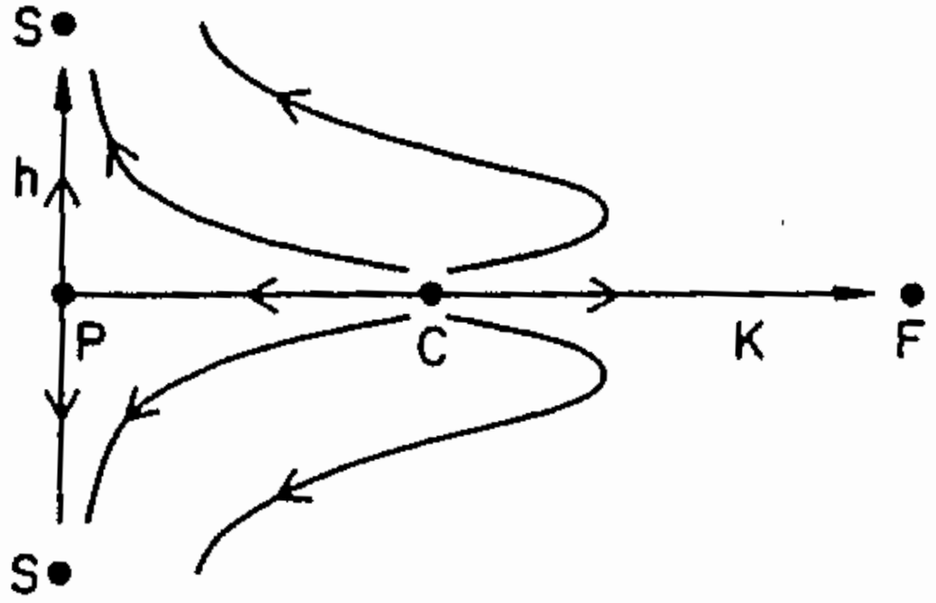

Figure 9.7 Global RG flow diagram for the two dimensional Ising model, according to the calculation in the text. C is a critical fixed point, S are sinks, P is a paramagnetic continuity fixed point, F is a discontinuity fixed point representing the first order transition for $H = 0$, $T < T_c$.