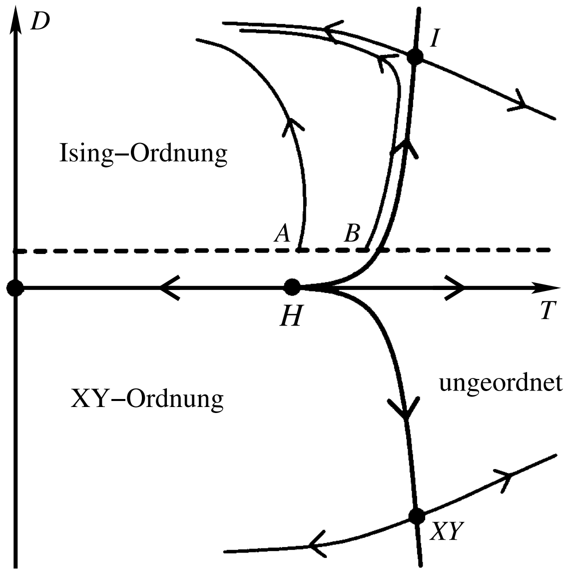
Beispiele von Flußdiagrammen

Heisenberg-Modell mit Einzel-Ion-Anisotropie D

$$H = -J \sum_{\langle i,j \rangle} \vec{S}_i \cdot \vec{S}_j - D \sum_i \left(S_i^z\right)^2$$

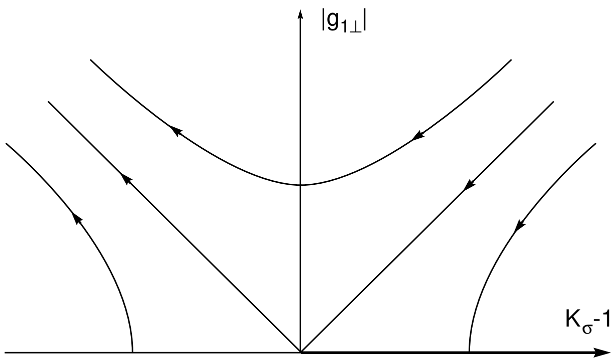
Projezierter Renormierungsgruppen-Fluß



Nach: J.L. Cardy, *Scaling and Renormalization in Statistical Physics*, Cambridge University Press, Cambridge (1996)

Kosterlitz-Thouless-Fluß

$$\frac{dK_\sigma}{d\ell} = -\frac{1}{2} K_\sigma^2 \left(\frac{g_{1\perp}}{\pi v_\sigma}\right)^2 \qquad \frac{dg_{1\perp}}{d\ell} = g_{1\perp}(2 - 2K_\sigma)$$



Aus: J. Voit, *One-Dimensional Fermi Liquids*, Rep. Progr. Phys. **58** (1995) 977-1116 [`cond-mat/9510014`]