3d Ising: 
$$W = \sqrt{\cosh \beta} \sqrt{\sinh \beta}$$

Tighton = Wai Waj Wak Was Wam Wam

3d XY or  $O(2)$  model:

cond-mat/9705020

was  $e^{\beta \cos 0} = \sum_{n=-\infty} I_n(\beta)e^{in0}$ 

Thudft =  $\sqrt{I_1(\beta)I_1(\beta)I_4(\beta$ 

3d 
$$v(i)$$
 model:

$$T_{ijklmn} = \sum_{\alpha = -\infty}^{\infty} L_{\alpha i} L_{\alpha j} L_{\alpha k} L_{\alpha l} L_{\alpha l} L_{\alpha l}$$

Where

$$I_{n-n'}(\beta) = A_{nn'} = \sum_{\alpha = -\infty}^{\infty} L_{n\alpha} L_{\alpha n'}^{T}(\beta)$$

hep-lat/1811,05884

7h Nov, 2020