How to use U1 symmetry in specific given symmetry model?

2022年6月2日 16:31

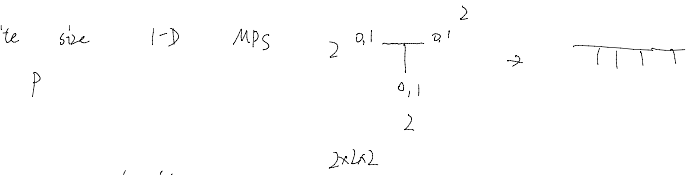
tensor → U1 tensor  contraction qr vumps

AD

{ particle number { finite size p = 0, 1, 2, ...
infinite size |> = 1/2 p = 1 p = 1/8 ...

S_z $S_z = 0, \pm 1, \pm 2$

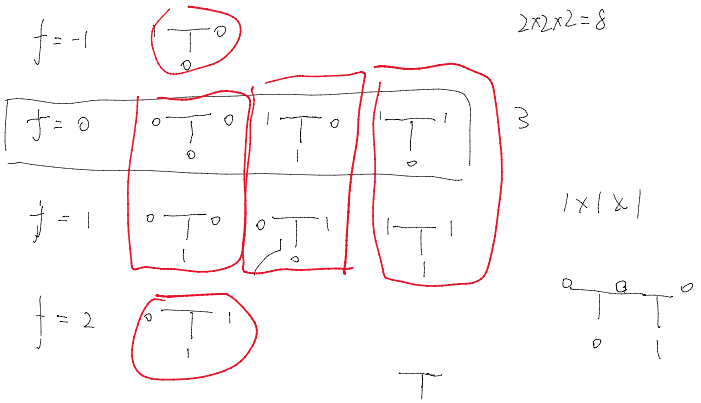
How to set iMPS or iPEPS blocks and their environment!

(1) finite size 1-D MPS 

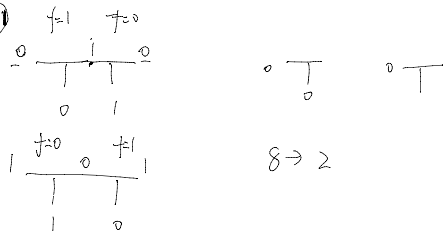
f: fluctation

$f = \sum_i q_{oi}^{out} - \sum_i q_{ii}^{in}$

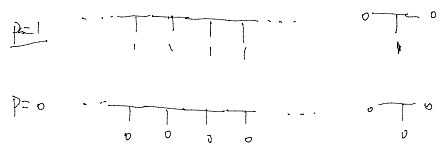
$f = q_2 + q_3 - q_1$

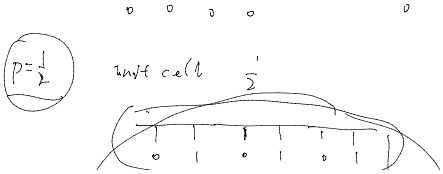


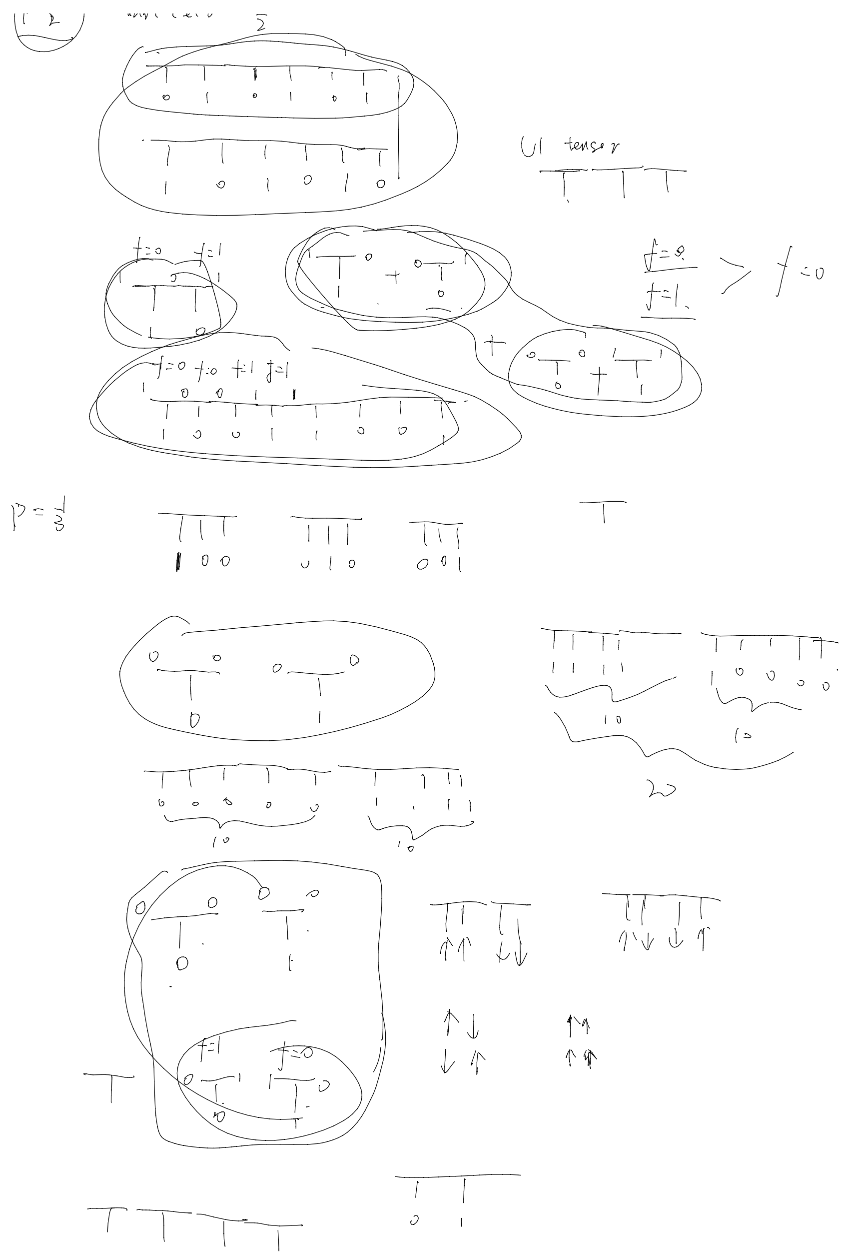
2-site period boundary



(2) infinite size $N \to \infty$





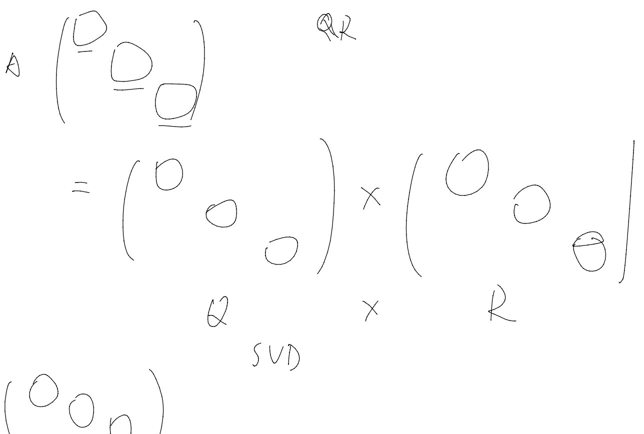


specific p

mix f

single f

f=0



SVD