d-dimensional

1, 12 13 Ld-1 Ld

index i

 $(\chi_1, \chi_2, \chi_3, \dots, \chi_{ol-1}, \chi_{ol})$

(1) index -> coordinate

$$\chi_{d-2} = \left(\frac{\partial H_{\perp}}{\partial mod(L_{\parallel} * L_{\perp} * L_{\perp})} = \left(\left(\frac{\partial H_{\perp}}{\partial mod(\prod_{i=1}^{d-2} i)}\right) mod\left(\prod_{i=1}^{d-2} i\right)\right) // \prod_{i=1}^{d-2} i$$

(2) coordinate -> index