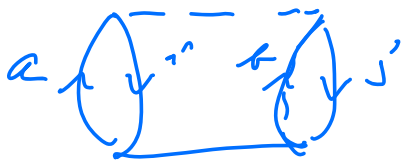
FYS 4480, NOV 25, 2022

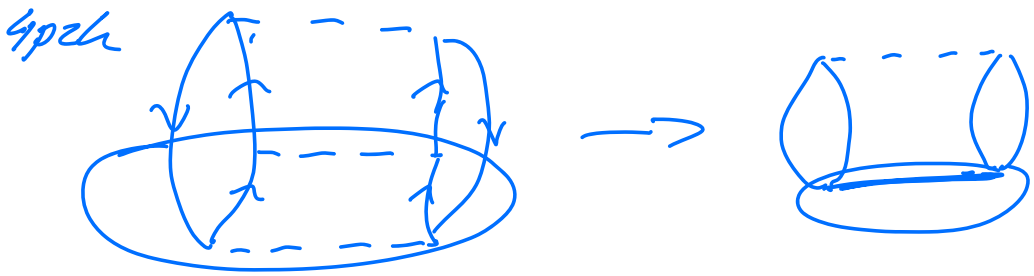
CCSD

MBPT(2)



$$\frac{1}{4}\sum_{\substack{ab\\ij}} \langle ij||ab\rangle t_{ij}^{ab}$$

$$\frac{1}{4}\sum_{\substack{ab\\ij}} \frac{\langle ij||ab\rangle\langle ab||ij\rangle}{\varepsilon_i+\varepsilon_j-\varepsilon_a-\varepsilon_b}$$



$$T_2 = \frac{1}{4}\sum_{\substack{ab\\ij}} t_{ij}^{ab}\, a_a^\dagger a_b^\dagger a_j a_i$$

2p2h - T2