

Block $\{i\}$,

$$\{CC_{i_} = \mathbb{E} [\theta, \theta, \mathbf{B}_i^{1/2} e^{-\epsilon \mathbf{a}_i / 2} + \mathbf{O}[\epsilon]^2],$$

$$\overline{CC}_{i_} = \mathbb{E} [\theta, \theta, \mathbf{B}_i^{-1/2} e^{\epsilon \mathbf{a}_i / 2} + \mathbf{O}[\epsilon]^2]$$

}]