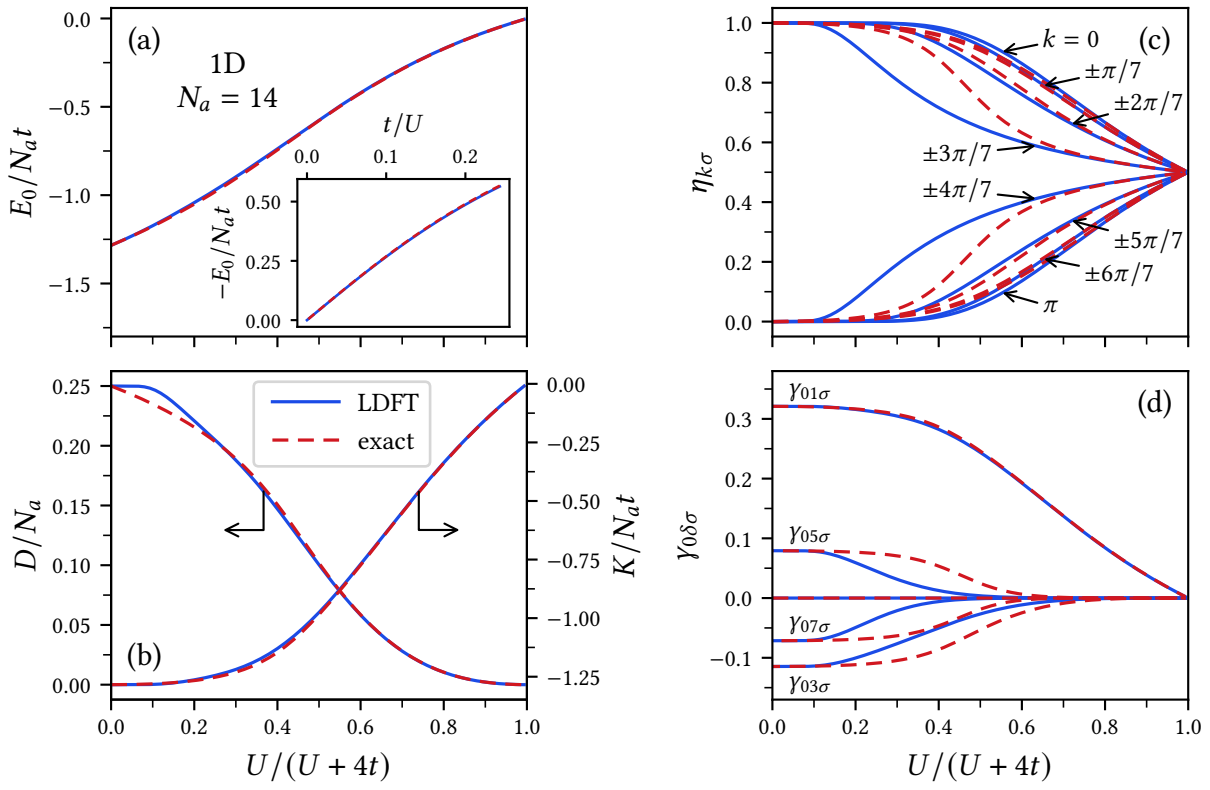
(a)
1D
$N_a = 14$
$E_0/N_a t$
t/U
$-E_0/N_a t$
(b)
LDFT
exact
D/N_a
$K/N_a t$
$U/(U+4t)$
(c)
$\eta_{k\sigma}$
$k = 0$
$\pm\pi/7$
$\pm2\pi/7$
$\pm3\pi/7$
$\pm4\pi/7$
$\pm5\pi/7$
$\pm6\pi/7$
π
(d)
$\gamma_{0\delta\sigma}$
$\gamma_{01\sigma}$
$\gamma_{05\sigma}$
$\gamma_{07\sigma}$
$\gamma_{03\sigma}$
$U/(U+4t)$