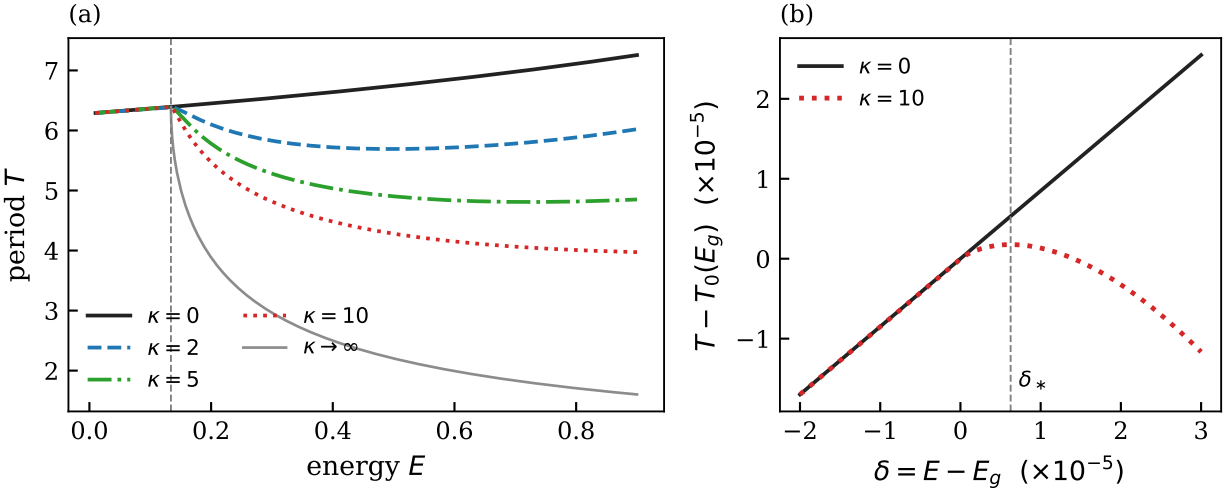

(a)
period T
energy E
$\kappa = 0$
$\kappa = 2$
$\kappa = 5$
$\kappa = 10$
$\kappa \to \infty$
(b)
$T - T_0(E_g)$ $(\times 10^{-5})$
$\delta = E - E_g$ $(\times 10^{-5})$
$\kappa = 0$
$\kappa = 10$
δ_*