Momentum distribution, $U = 1$, $\beta = 100$, 3D cubic lattice $t = \frac{1}{\sqrt{12}}$

$n(\vec{k}) = \langle c_k^\dagger c_k \rangle_\beta$

k_1 $(k_2 = 0.5\pi, k_3 = 0.5\pi)$

computed distrib. @ U

non-int. distrib. (Fermi sea)