Fourier spectrum of $n(x, t)$: initial vs final vs time-averaged

Legend:
- t = 0
- t = 20.00
- $<n>$(t=[10,50])
- peak_avg k=0.628
- peak0 k=0.628
- peak1 k=5.655

Y-axis: Power $|\hat{n}(k)|^2$

X-axis: k