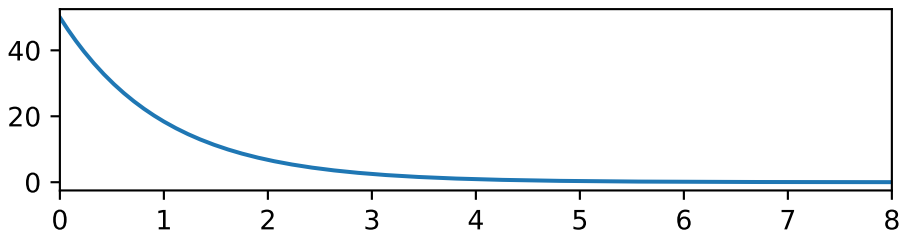
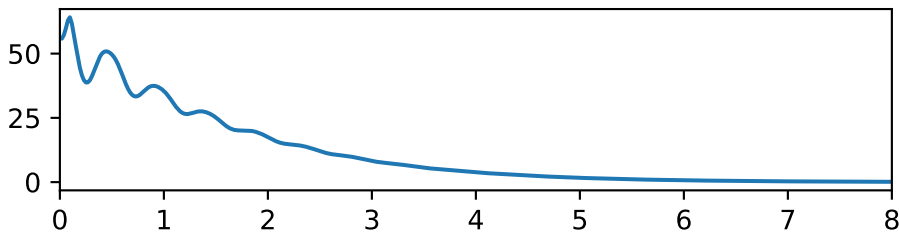


The expectation value of F



The expectation value of excitations



$|\phi(t)|^2$

