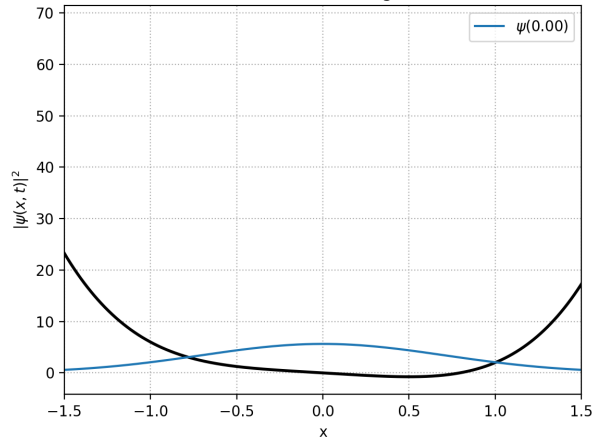
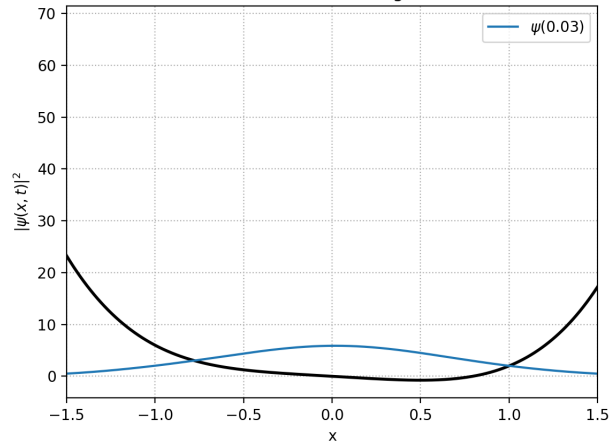


time evolution using  $U(t)$ time evolution using  $U(t)$ time evolution using  $U(t)$ 