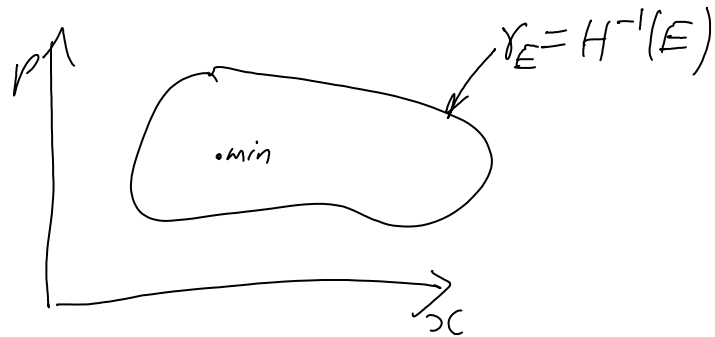


Bohr-Sommerfeld rules ($N=1$)

Let \hat{H} be an operator on $L^2(\mathbb{R})$ and

$H: T^*\mathbb{R} \cong \mathbb{R}^2 \rightarrow \mathbb{R}$ its symbol; assume H has a regular minimum:



The "classical action" $S_0(E) := \text{Area inside } \gamma_E$.

Then in first approximation, the n th eigenvalue

E_n of \hat{H} solves the eqn'

$$2\pi n \hbar = S_0(E_n)$$