Results characterization: search, localization and robustness

Search
Finding of the solution with high probability for the **smallest** T possible

Localization
Finding of the solution with high probability **without** the need to **minimize** the time

A description of the **localization** is necessary given the **adiabatic nature** of the algorithm

Robustness R_γ **and** R_T
Quantifies the variation of the probability due to variation of γ and T

$$R^\pm = p(T, \gamma) - p(T, \gamma \pm \delta)$$

$$R_\gamma = \left[\frac{R^+ + R^-}{2} \right]$$