3.2 Principle of the algorithm

- We want to find the global minimum of a filmen function E(x), X ∈ S, usually called enougy in this chapter.
- One has to specify the search space and He neighborhood (movements or transformations)
- Chaose a random initial andition (configuration)
- . At each iteration, one neighbor is choosen randomly in the neighbourhood. It becomes the new solution with a give probability p

temperature and it is a guiding parameto.

DE is the variation of energy (or fitness) between the candidate solution and the current one:

Metropolice role:

Random (0, 1) < e = acaptation

of the new Canditoli

otherwise reject it. (with prob 1-p) -> generate a

new candidate.

