

Scheduling of Cyber-Physical System Simulation

56



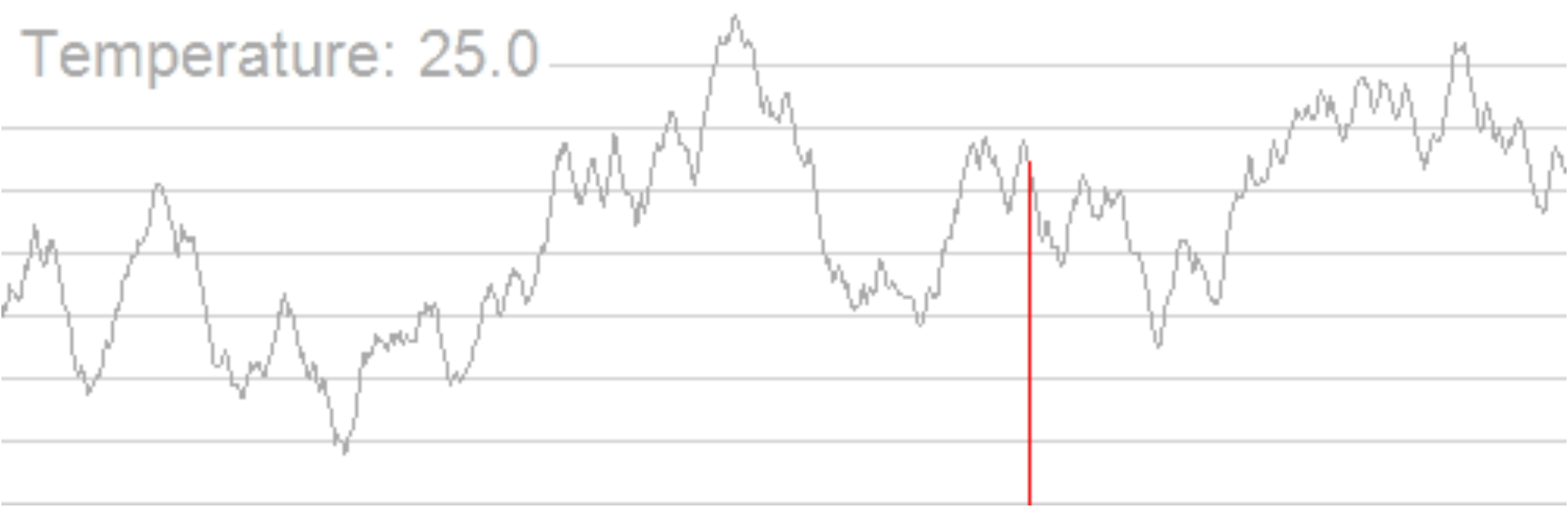
Choosing heuristics

Design and implementation of the solution





Simulated
annealing





Annealing



Approach



Global
extremum

Avoid



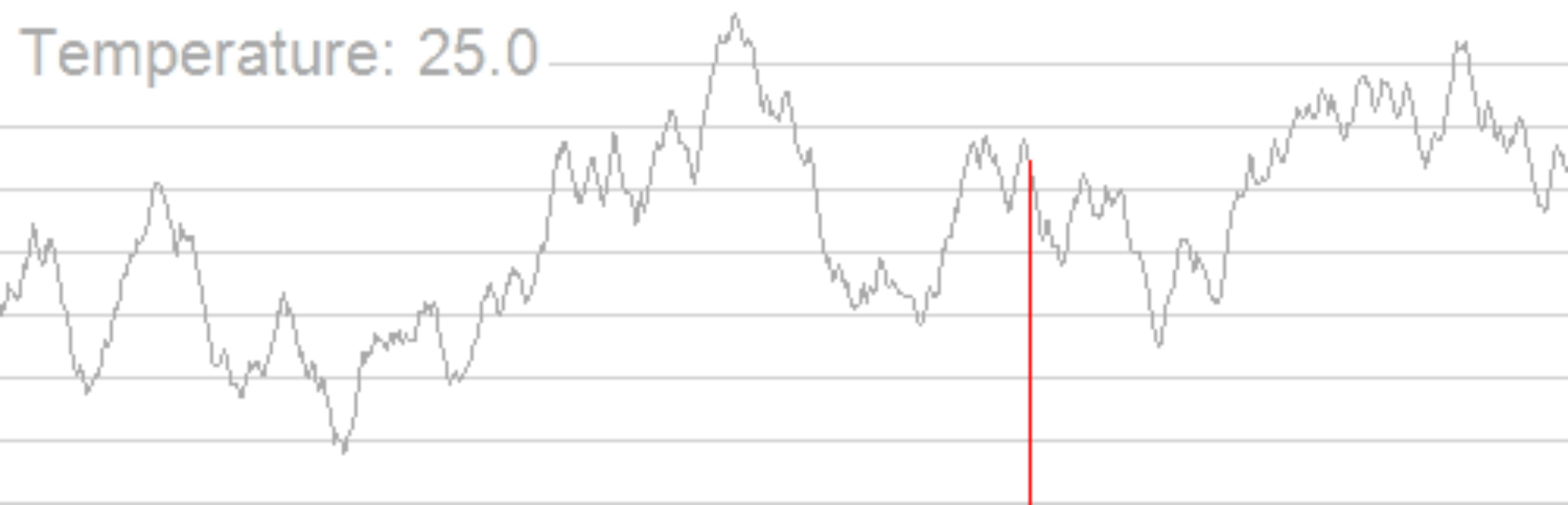
Local
extrema

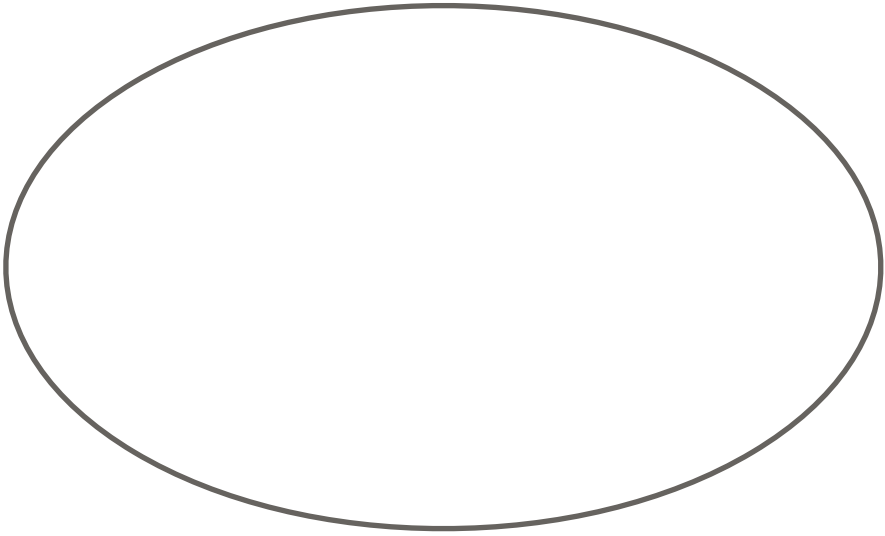


Neighbourhood
search

Decreasing
energy

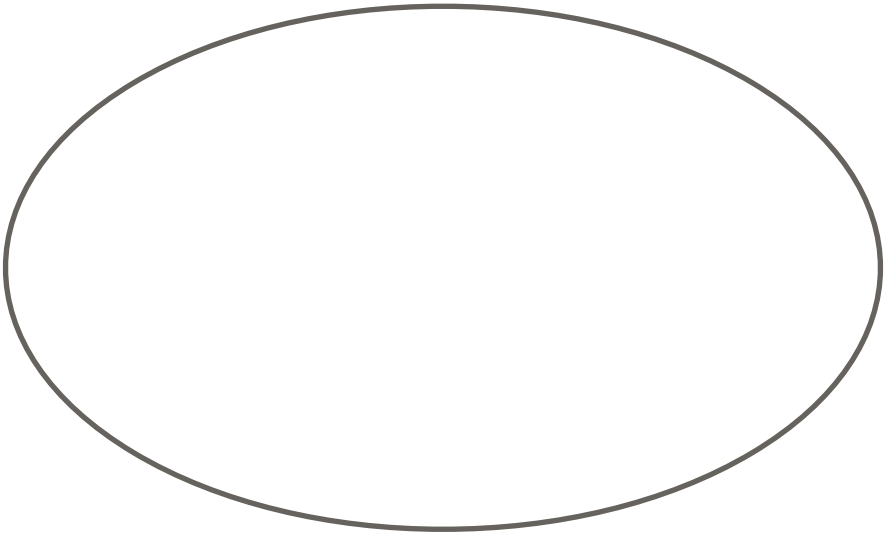
https://en.wikipedia.org/wiki/Hill_climbing





Sinvalated

annealing



Annexaling

States

Allocations

Initial state

An allocation

Jumping
probabilities

Arbitrary

Number of
iterations

Arbitrary

Energy

Function of the respect of the
requirements

Neighbourhood

Nearly / distant

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