Executions of Quicksort

Number of unsorted pairs (y-axis, ranging from 0 to 2500)
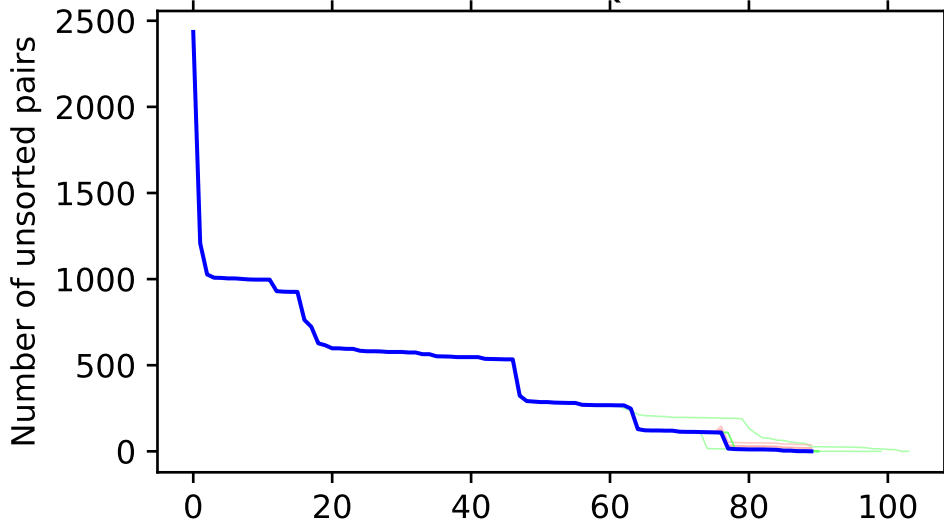
time (in recursive call) (x-axis, ranging from 0 to 100)

Perturbation envelope of quicksort on an array of 100 integers
In blue, the unperturbed execution,
in green, the 28 perturbed execution that end with a success, and
in light red, the 9 perturbed execution that end with a success with
  failure or exception for the ADD20exp.
in total, there is 38 executions.