

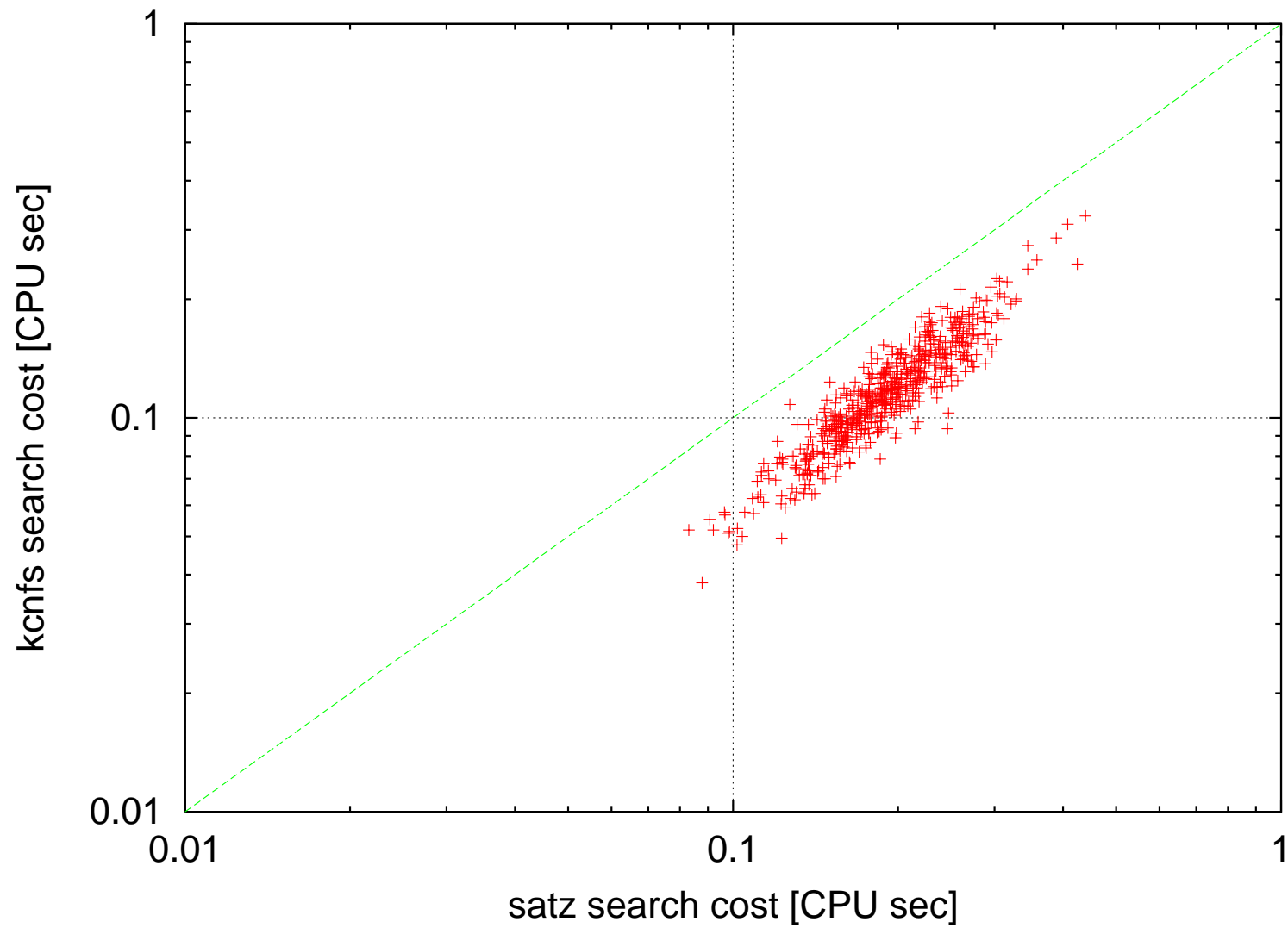
Example:

For a given SLS algorithm for SAT applied to a specific SAT instance we observe

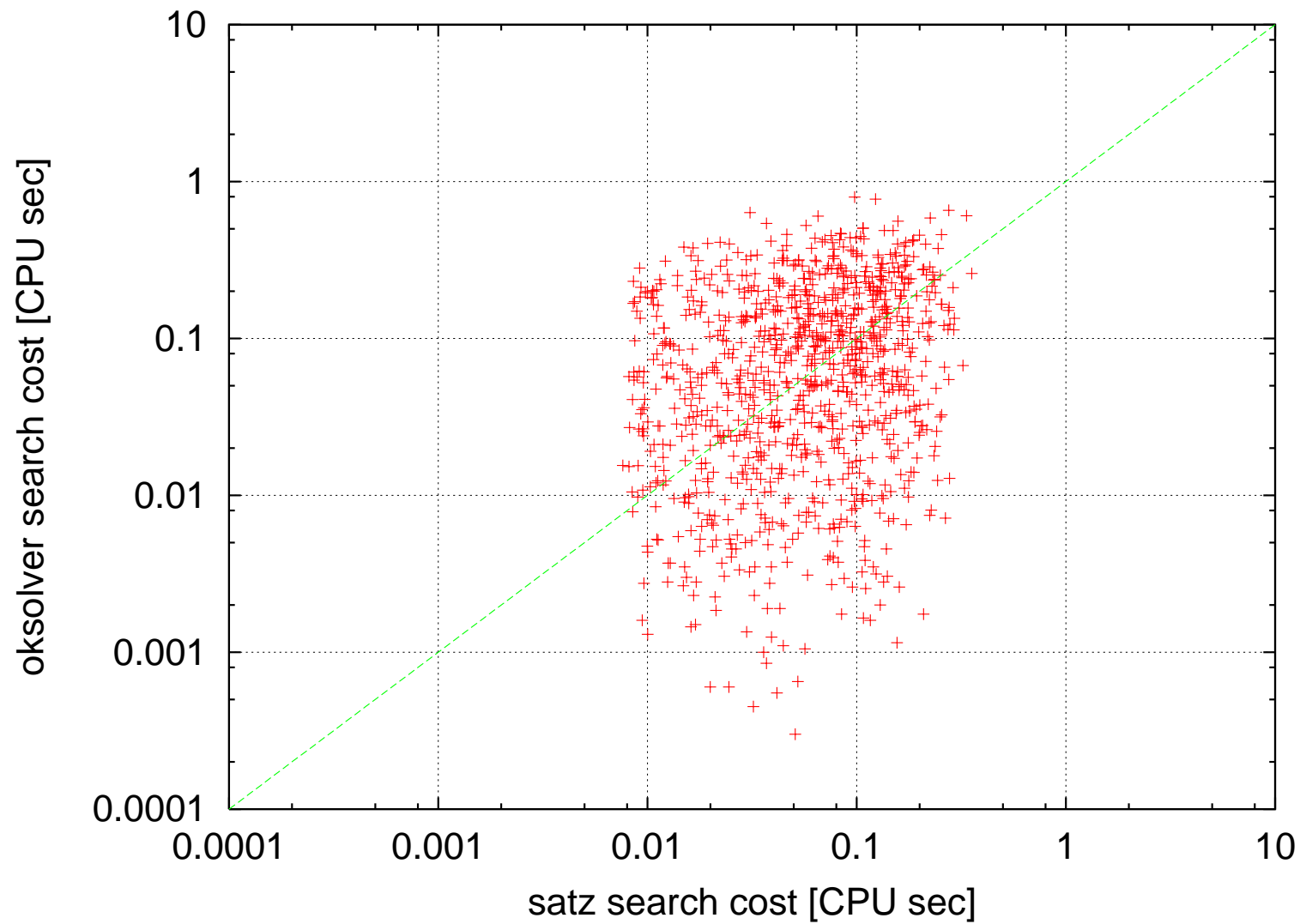
- ▶ a median run-time of 38 911 search steps (*operation count*);
- ▶ the CPU time required for each search step is 0.027ms, while initialisation takes 0.8ms (*cost model*)

when running the algorithm on an Intel Xeon 2.4GHz CPU with 512KB cache and 1GB RAM running Red Hat Linux, Version 2.4smp (*run-time environment*).

Correlation of algorithm performance (each point one instance)



Correlation of algorithm performance (each point one instance)



Empirical scaling of algorithm performance

