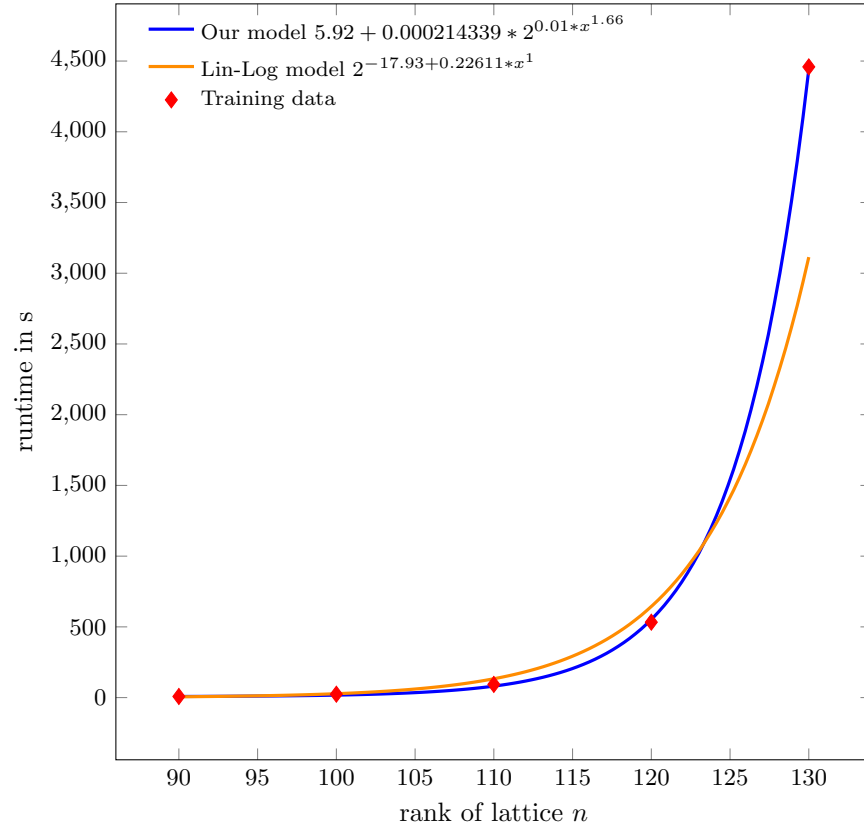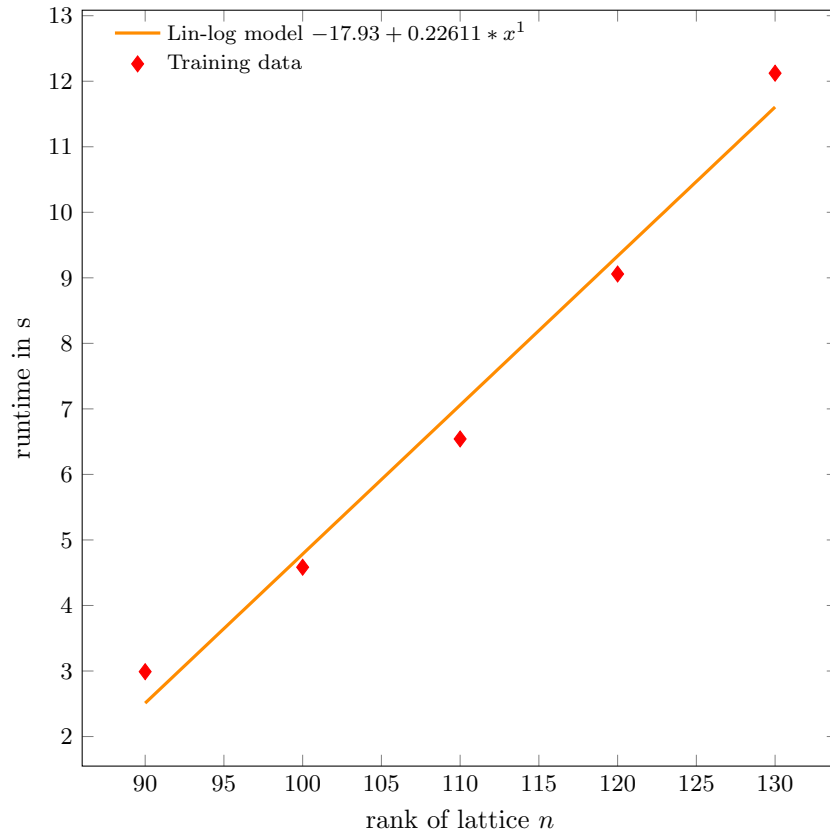# 1 Evaluation

$$f_{model}(x) = 5.92 + 0.000214339 * 2^{0.01 * x^{1.66}} \qquad (1)$$

- Thread 0 found solution in 15273738 steps requiring 0 seconds.

- Cost (raRSD):0.0867025

- Metrics of our model: RSS: 607.775105 / anRSS: 0.004818 / arNRS: 0.086703

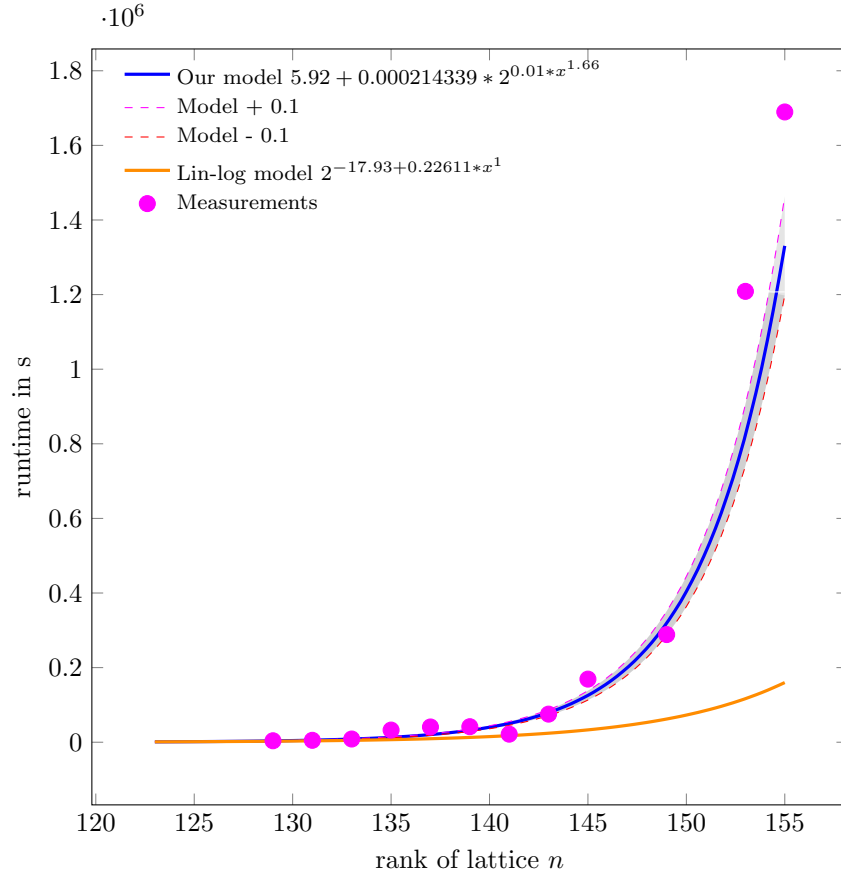- Metrics of lin-log model : RSS: 1806677.481177 / anRSS: 0.262675 / arNRS: 0.274728

2 Log-Function Evaluation
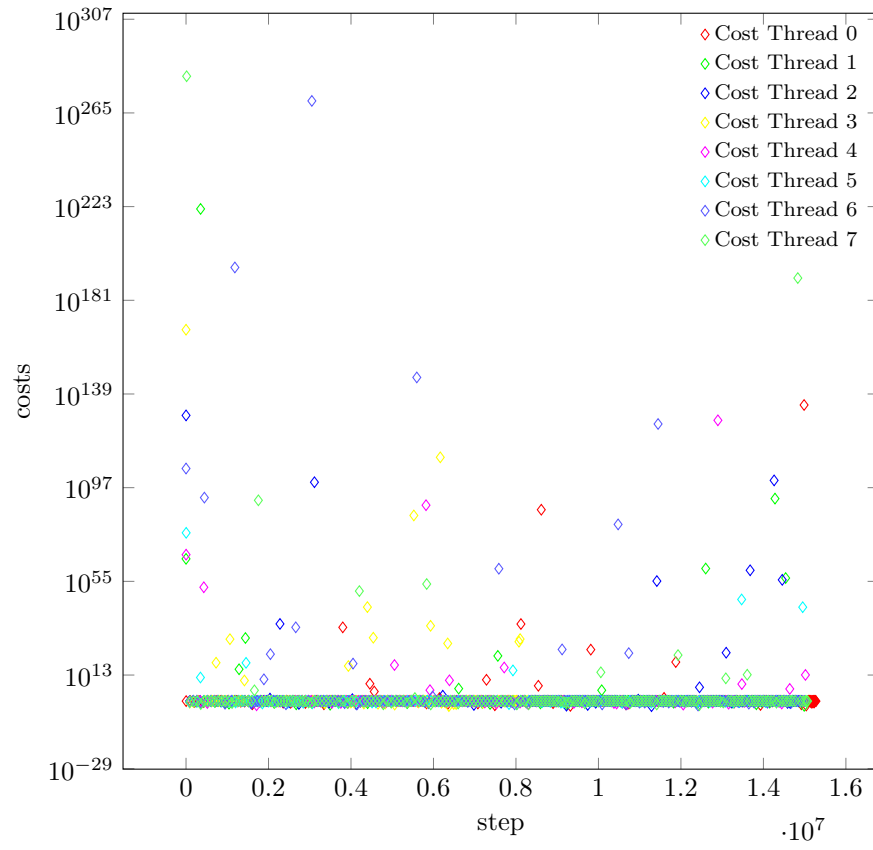
$$f_{log-model}(x) = -17.93 + 0.22611 * x^1 \tag{2}$$

3 Prediction of Runtime

- Deviation of our model and reference at x=155 is 5.36537e+06%.

- Deviation of our model and measures at x=155 is 20.6103%.

- Deviation of reference model and measures at x=155 is 99.9985%.
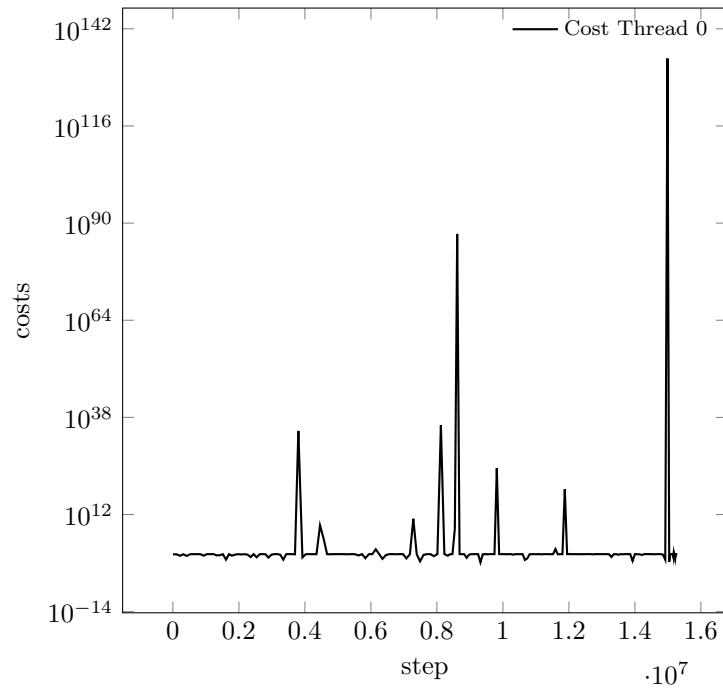
4   Development of Costs

5 Details of Costs

5.1 Thread 0

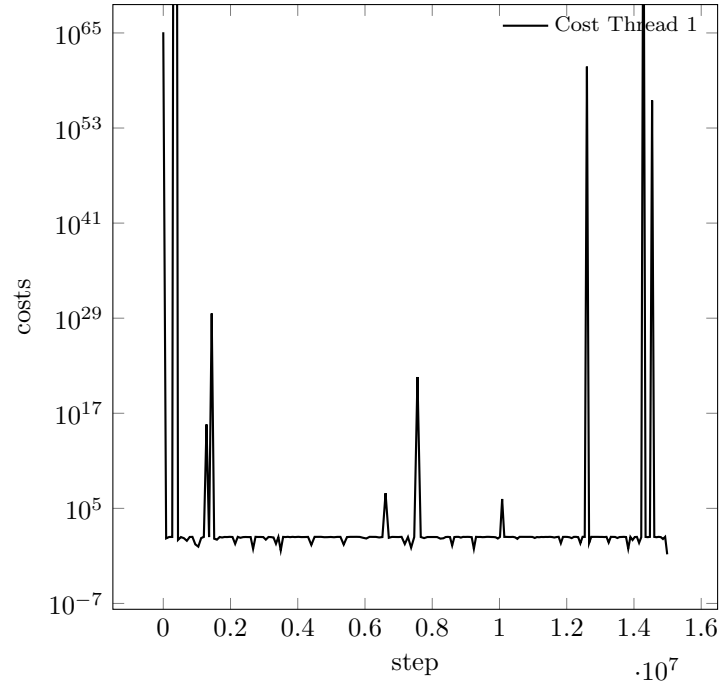- Cost (raRSD):0.0867025

- Thread 0 found solution:

$$5.92 + 0.000214339 * 2^{0.01*x^{1.66}} \tag{3}$$

5.2 Thread 1

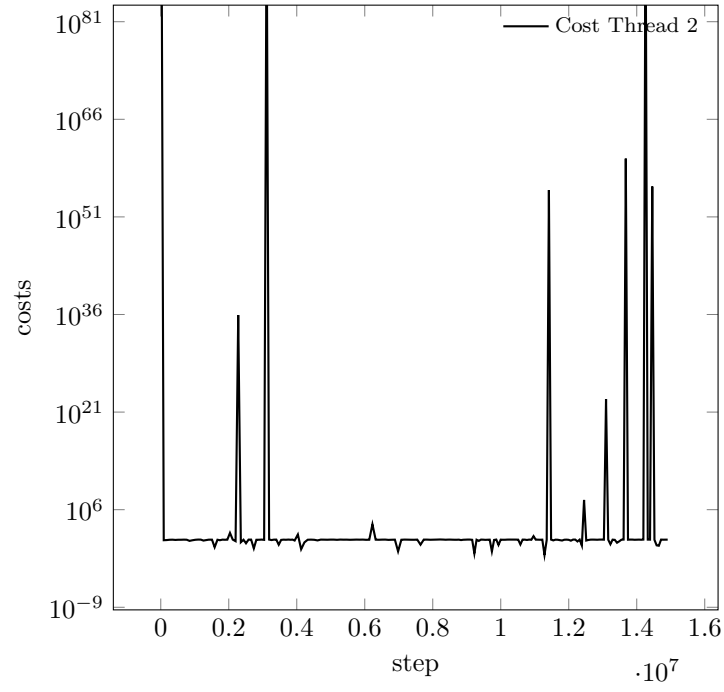- Cost (raRSD):0.0877914

- Thread 1 found solution:

$$5.97 + 0.00018258 * 2^{0.01*x^{1.64}} \tag{4}$$

5.3 Thread 2

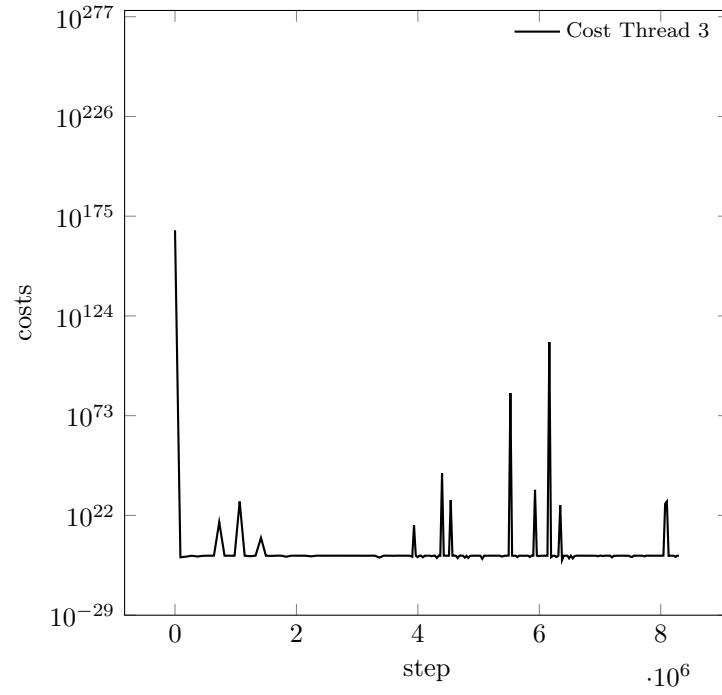- Cost (raRSD):0.0870785

- Thread 2 found solution:

$$5.94 + 0.000211116 * 2^{0.01*x^{1.66}} \tag{5}$$

5.4 Thread 3

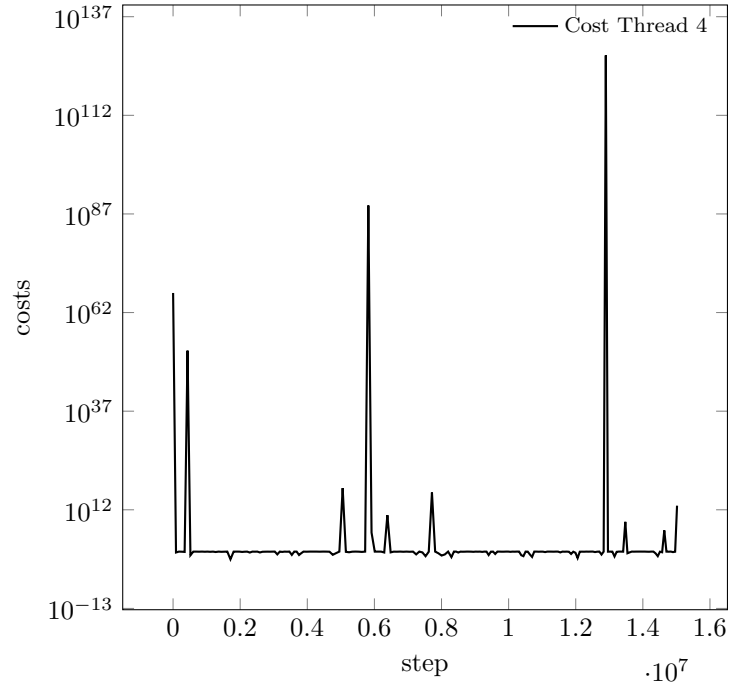- Cost (raRSD):0.0884715

- Thread 3 found solution:

$$6 + 0.000172088 * 2^{0.01*x^{1.64}} \tag{6}$$

5.5 Thread 4

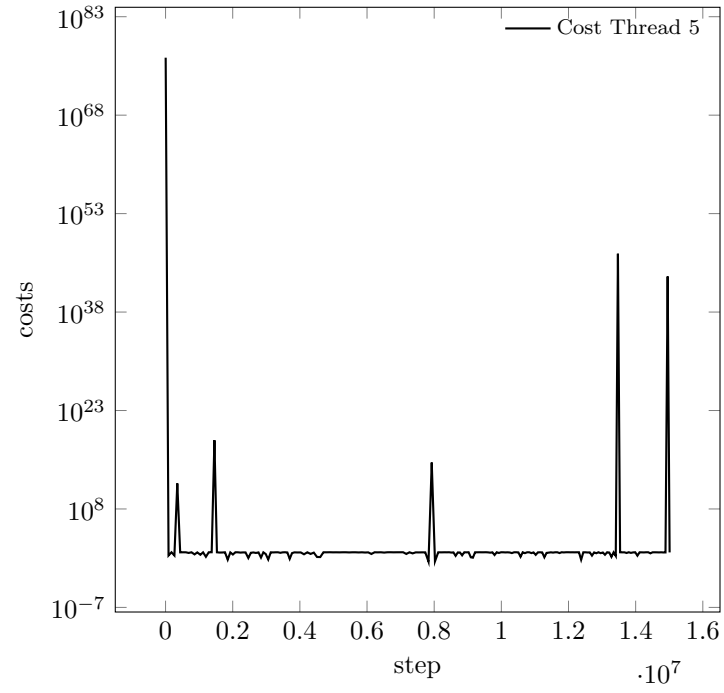- Cost (raRSD):0.0879633

- Thread 4 found solution:

$$5.88 + 0.000211497 * 2^{0.01*x^{1.66}} \tag{7}$$

5.6 Thread 5
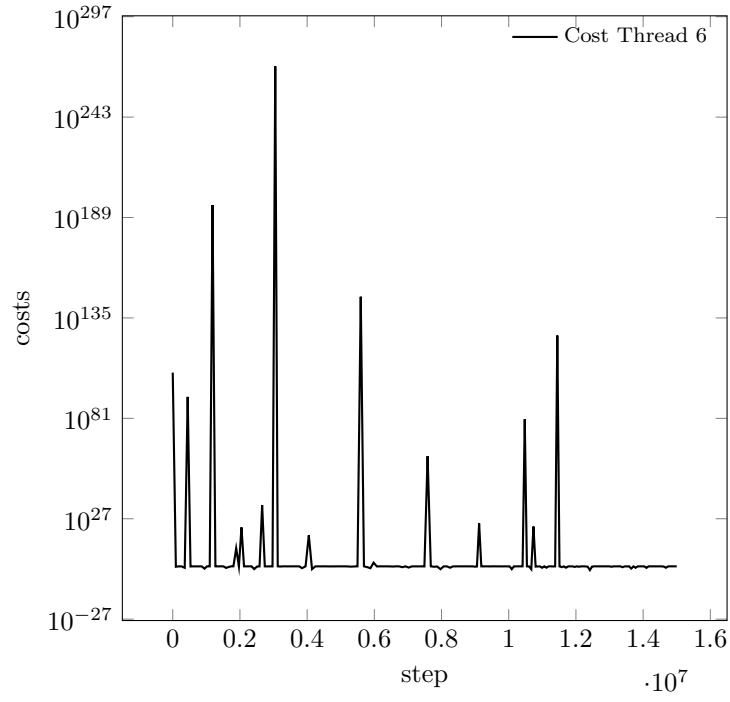
- Cost (raRSD):0.0879989

- Thread 5 found solution:

$$5.97 + 0.000168656 * 2^{0.01*x^{1.63}} \tag{8}$$

Cost Thread 5

5.7   Thread 6

- Cost (raRSD):0.0869791

- Thread 6 found solution:

$$5.9 + 0.000217365 * 2^{0.01*x^{1.66}} \tag{9}$$

5.8   Thread 7

- Cost (raRSD):0.0875755

- Thread 7 found solution:

$$5.88 + 0.000217619 * 2^{0.01*x^{1.66}} \tag{10}$$