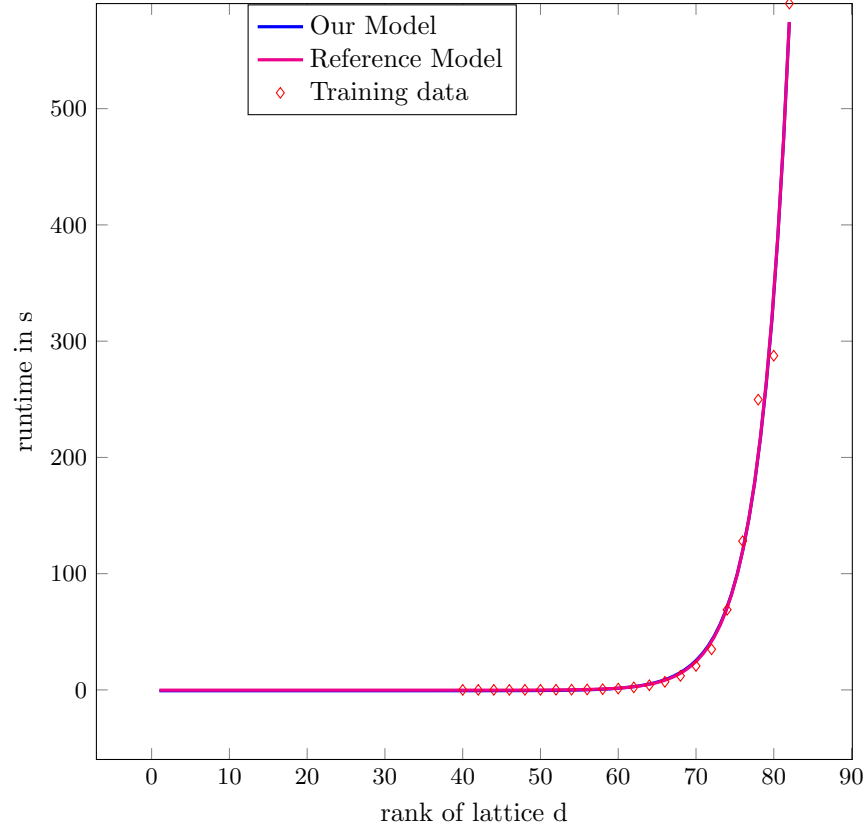# 1 Evaluation

$$f_{model}(x) = -0.720807 + 1.75546e - 05 * 2^{0.103293 * x^{1.24534}} * x^0 \tag{1}$$
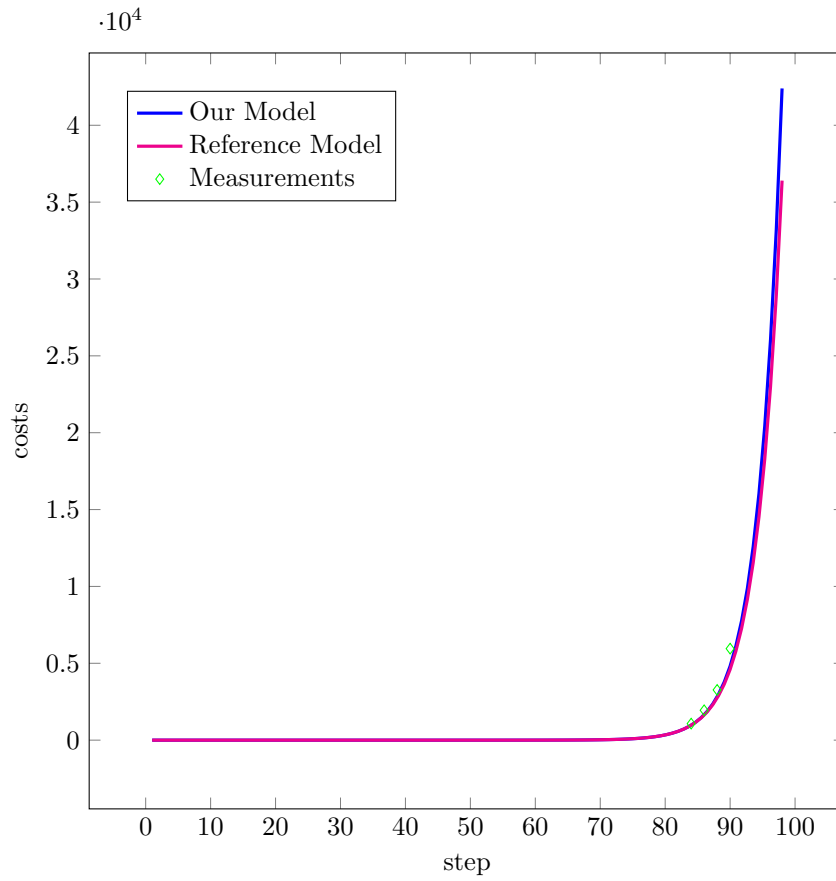
- Thread 3 found solution in 7675201 steps requiring 36.3865 seconds.

- Cost (RSS):5479.35

$$f_{model}(x) = -0.211 + 1.78e - 09 * 2^{0.35 * x^1} * x^{1.5} \tag{2}$$

- Cost (RSS):5520.194379

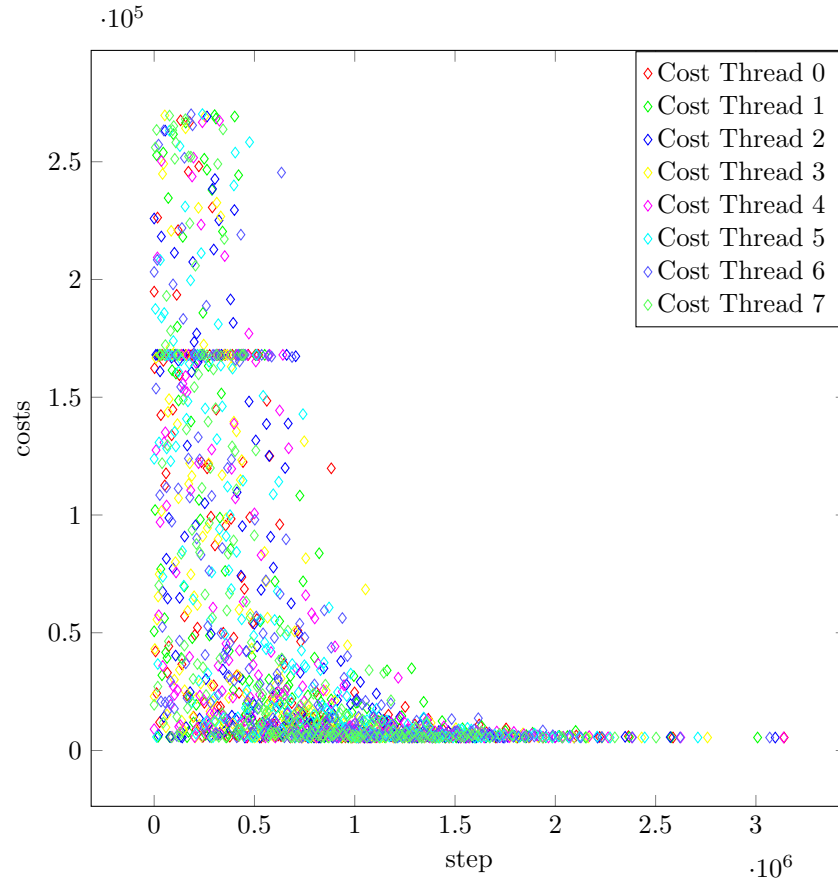# 2   Prediction of Runtime

- Deviation of our model and reference at x=98 is 16.567%.

- Deviation of our model and measures at x=90 is 18.6985%.

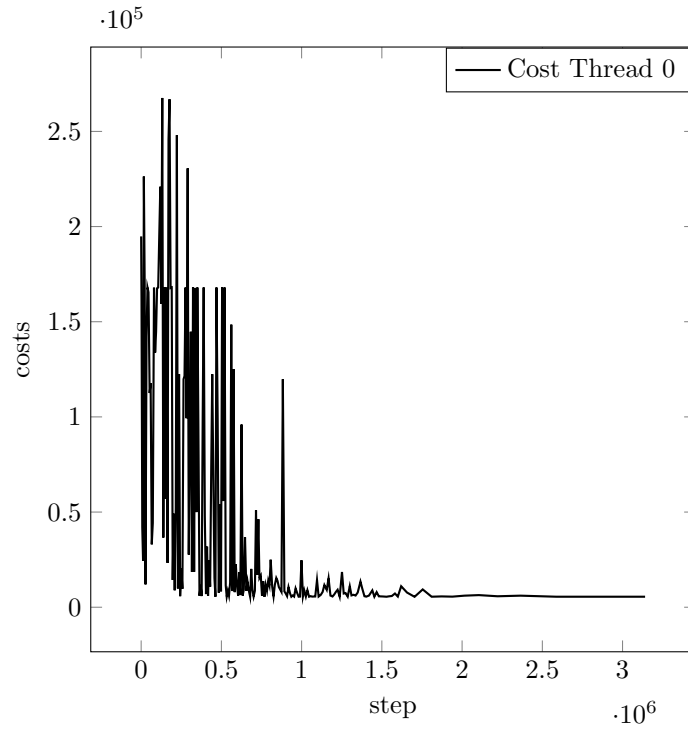- Deviation of reference model and measures at x=90 is 22.464%.

3 Development of Costs

4 Details of Costs

4.1 Thread 0

- Cost (RSS):5480.86
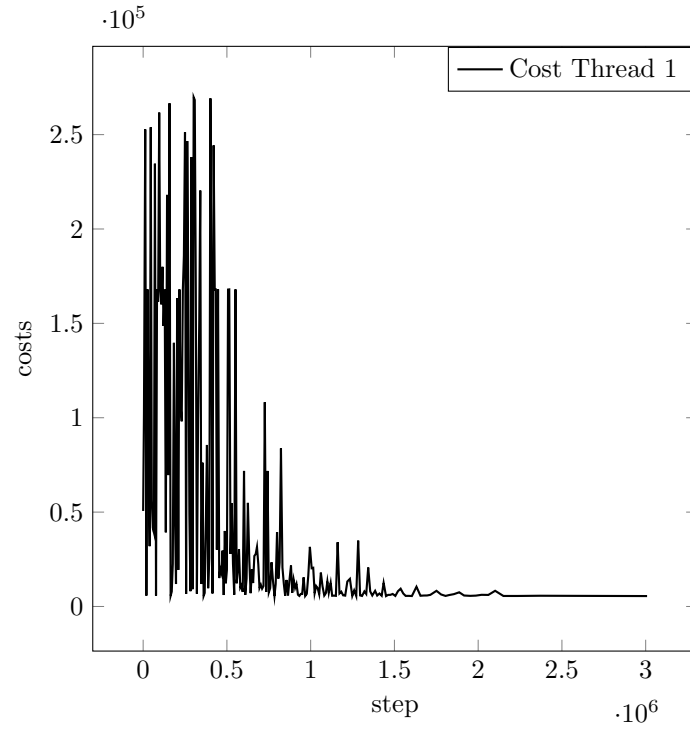
- Thread 0 found solution:

$$-0.606651 + 1.67165e - 05 * 2^{0.103515 * x^{1.2455}} * x^0 \tag{3}$$

4.2 Thread 1
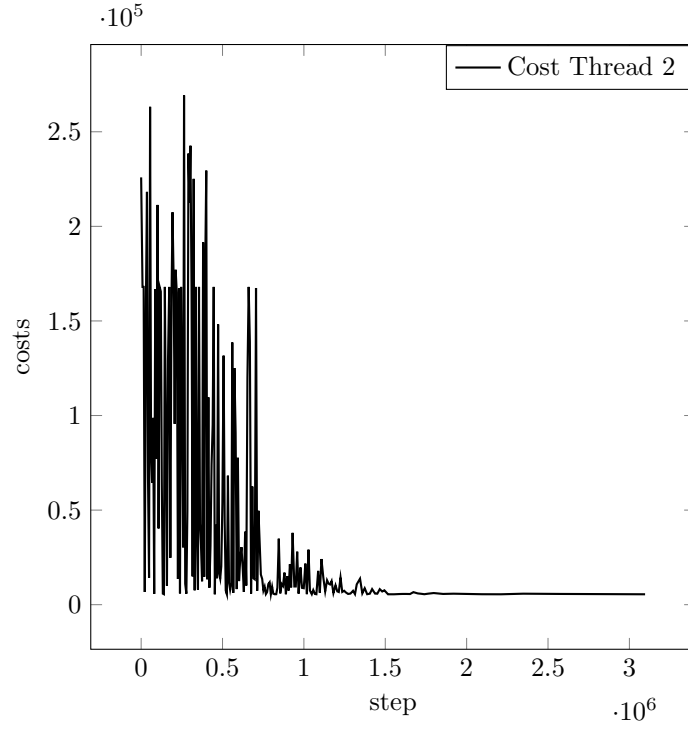
- Cost (RSS):5486.58

- Thread 1 found solution:

$$-1.12558 + 2.1043e - 05 * 2^{0.102111*x^{1.24553}} * x^0 \tag{4}$$

4.3 Thread 2

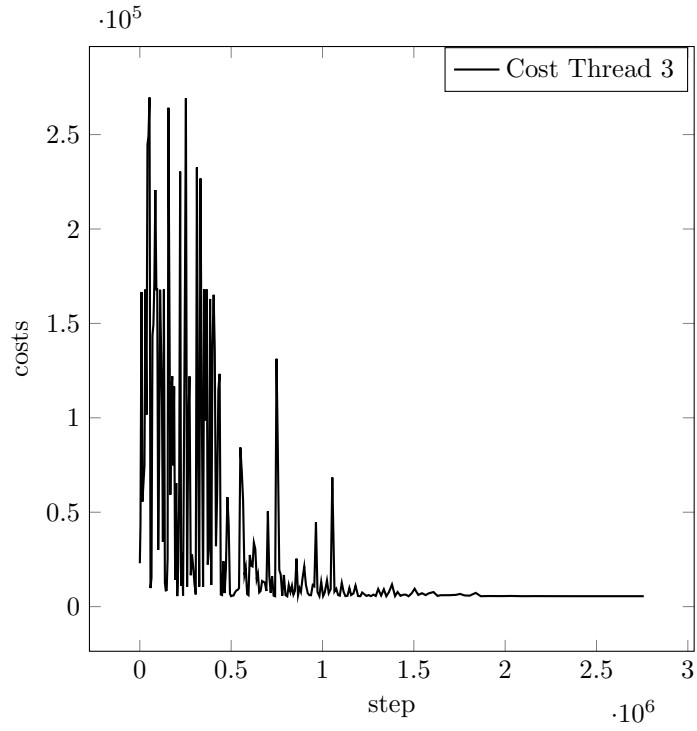- Cost (RSS):5489.69

- Thread 2 found solution:

$$-0.362603 + 1.41199e - 05 * 2^{0.106652*x^{1.24093}} * x^0 \qquad (5)$$

4.4 Thread 3

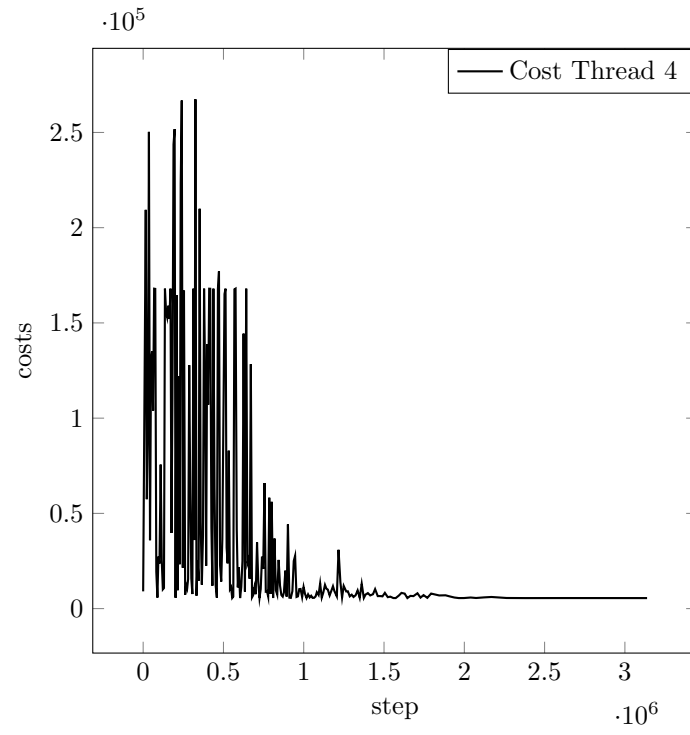- Cost (RSS):5479.35

- Thread 3 found solution:

$$-0.720807 + 1.75546e - 05 * 2^{0.103293*x^{1.24534}} * x^0 \tag{6}$$

4.5   Thread 4

- Cost (RSS):5479.9

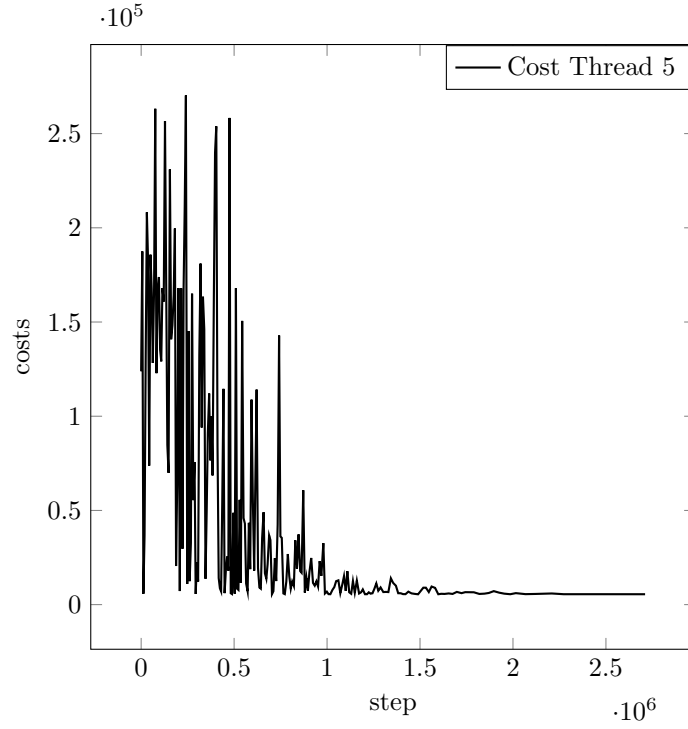- Thread 4 found solution:

$$-0.677808 + 1.6855e - 05 * 2^{0.104306*x^{1.24366}} * x^0 \tag{7}$$

4.6 Thread 5

- Cost (RSS):5479.82

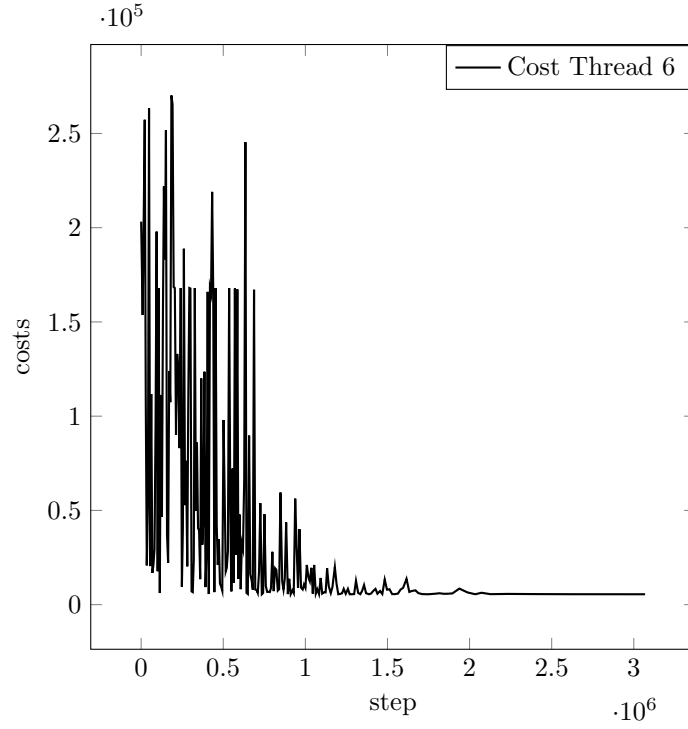- Thread 5 found solution:

$$-0.872702 + 1.86722e - 05 * 2^{0.103124*x^{1.24489}} * x^0 \tag{8}$$

4.7   Thread 6

- Cost (RSS):5492.36

- Thread 6 found solution:

$$-0.314091 + 1.33343e - 05 * 2^{0.108282*x^{1.23823}} * x^0 \qquad (9)$$

4.8 Thread 7

- Cost (RSS):5484.38

- Thread 7 found solution:

$$-1.08058 + 2.13906e - 05 * 2^{0.100735*x^{1.2484}} * x^{0} \tag{10}$$