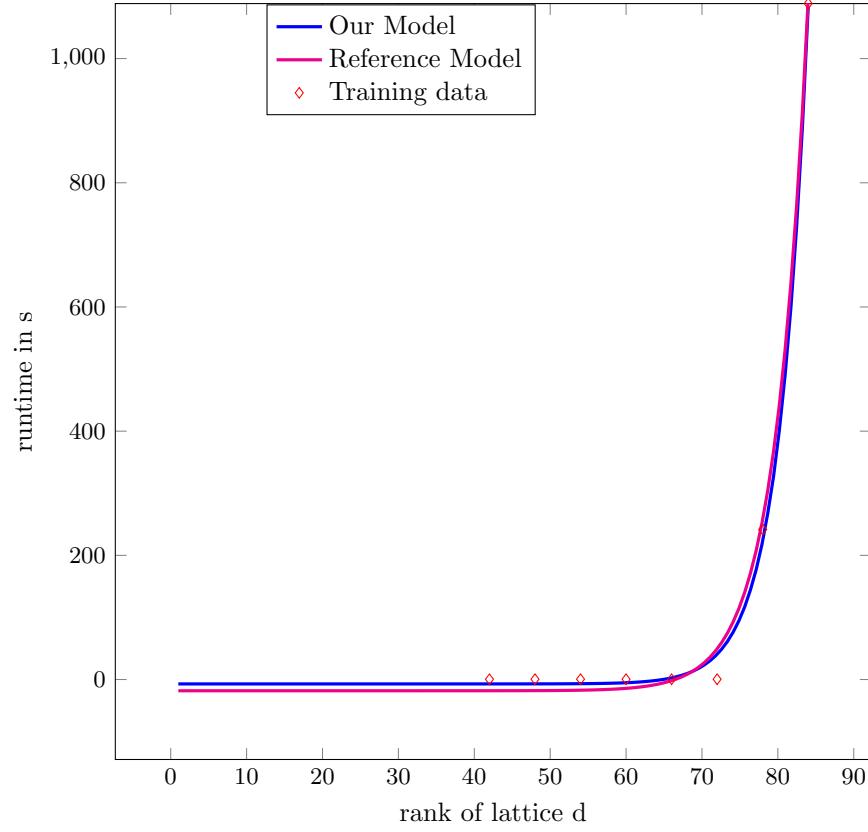# 1 Evaluation

$$f_{model}(x) = -7.06173 + 5.21712e - 09 * 2^{0.956038*x^{0.828816}} * x^0 \tag{1}$$
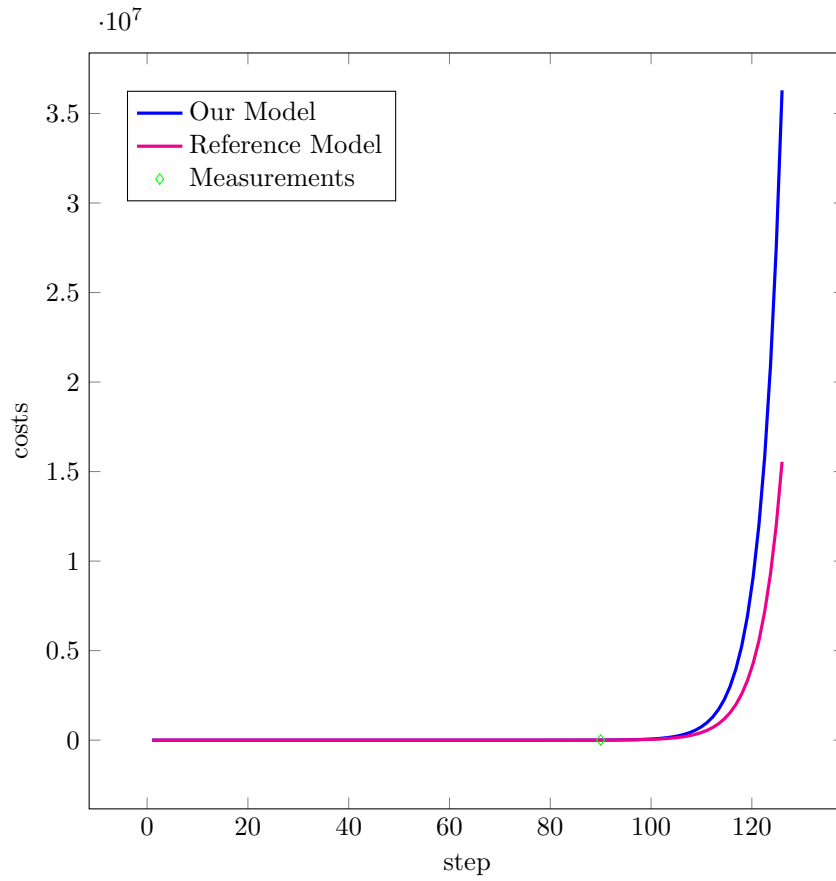
- Thread 3 found solution in 7990401 steps requiring 25.3721 seconds.

- Cost (RSS):2122.36

$$f_{model}(x) = -18.08 + 4.106e - 09 * 2^{0.3*x^1} * x^2 \tag{2}$$
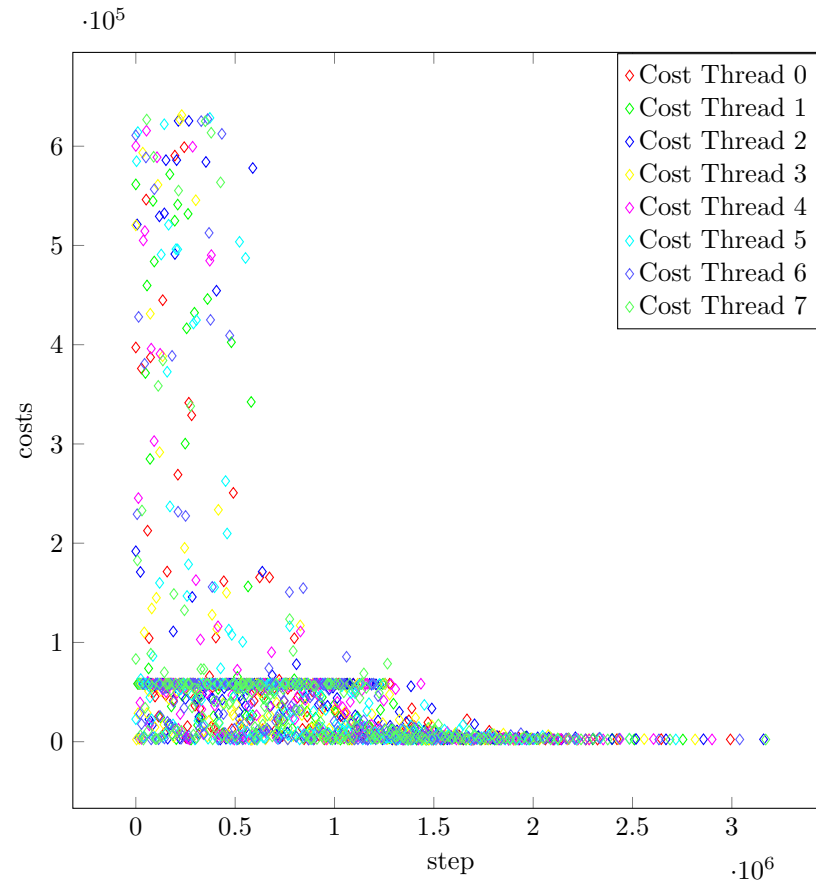
- Cost (RSS):4013.593287

2 Prediction of Runtime

- Deviation of our model and reference at x=126 is 134.327%.

- Deviation of our model and measures at x=90 is 14.2171%.

- Deviation of reference model and measures at x=90 is 0.0928561%.
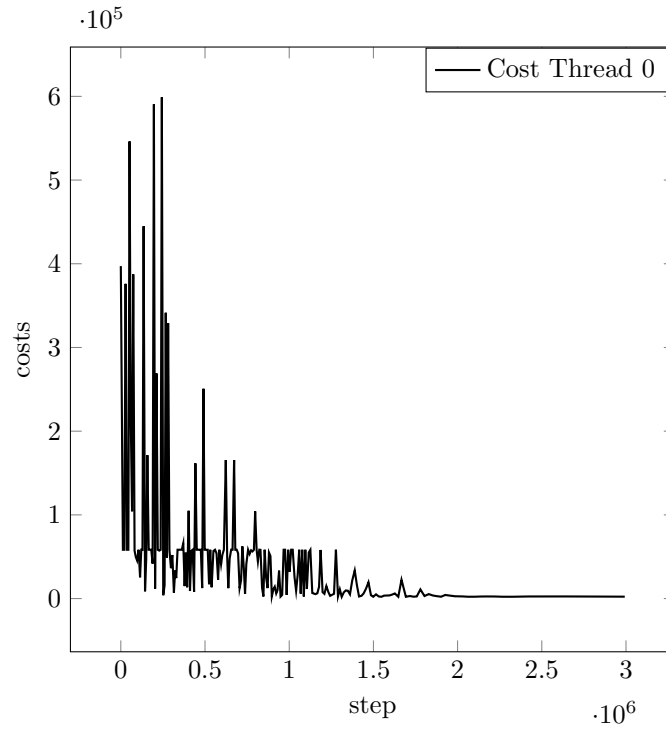
3 Development of Costs

4 Details of Costs

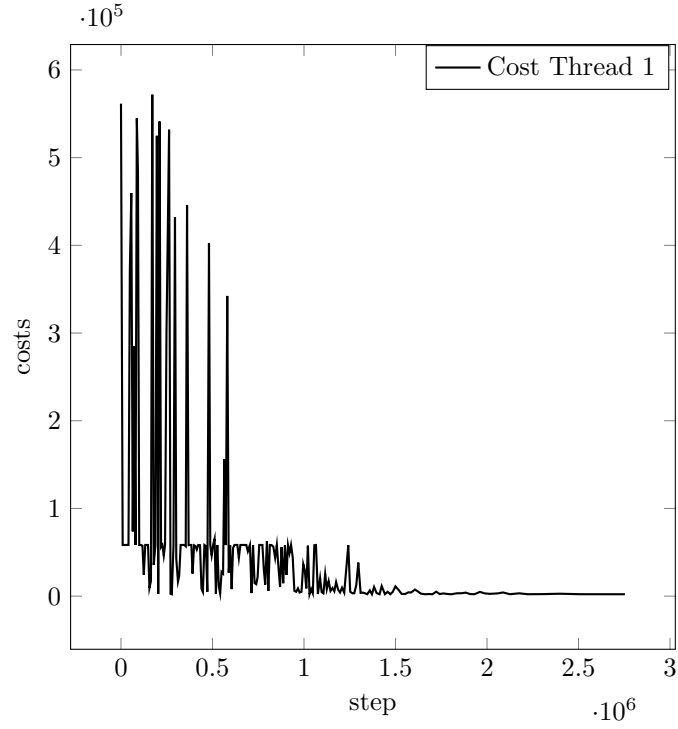## 4.1 Thread 0

- Cost (RSS):2129.96

- Thread 0 found solution:

$$-6.61227 + 6.05568e - 09 * 2^{0.907536*x^{0.839272}} * x^0 \tag{3}$$

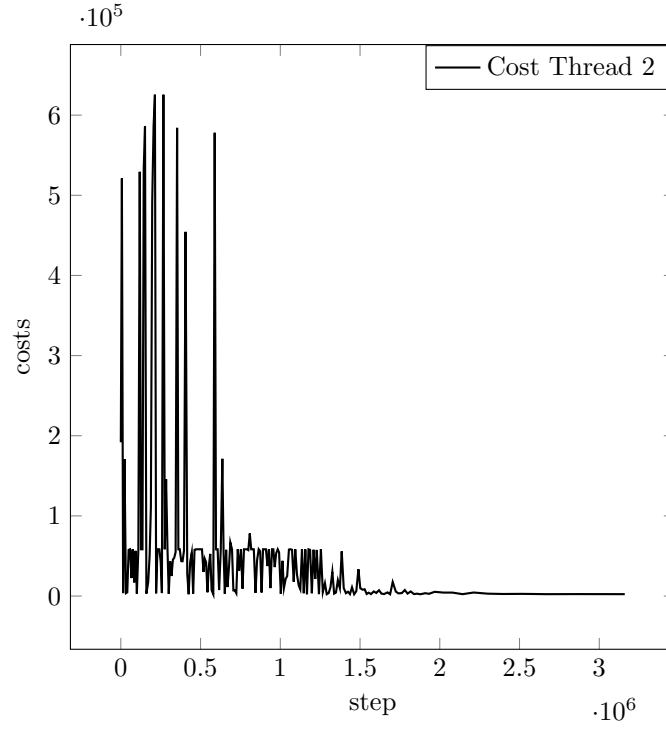## 4.2 Thread 1

- Cost (RSS):2128.18

- Thread 1 found solution:

$$-7.24138 + 7.36807e - 09 * 2^{0.904332*x^{0.838357}} * x^0 \tag{4}$$

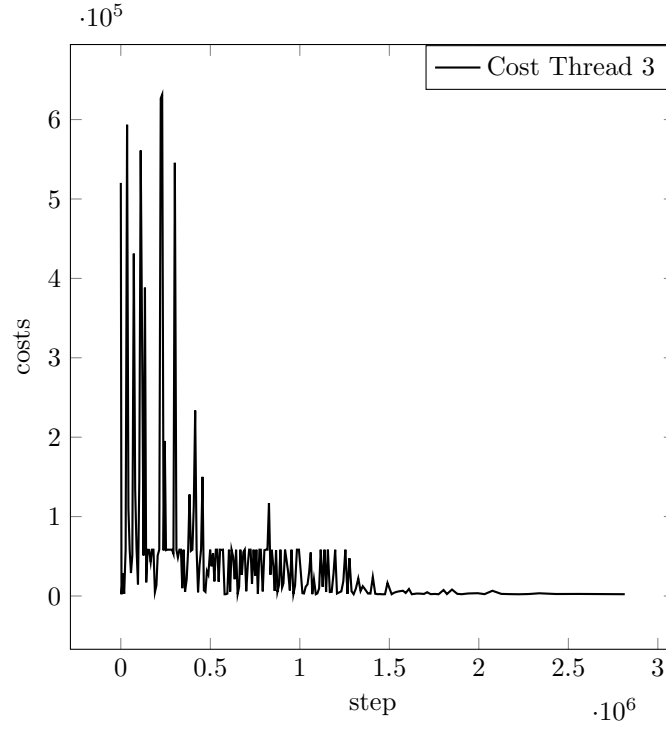## 4.3   Thread 2

- Cost (RSS):2131.63

- Thread 2 found solution:

$$-6.53446 + 5.97235e - 09 * 2^{0.906109 * x^{0.839748}} * x^0 \tag{5}$$

$\cdot 10^5$

4.4 Thread 3

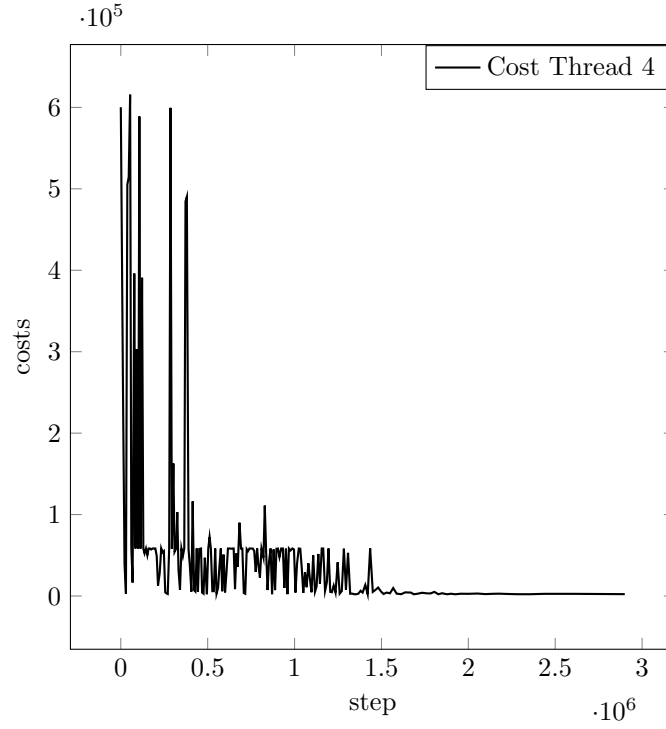- Cost (RSS):2122.36

- Thread 3 found solution:

$$-7.06173 + 5.21712e - 09 * 2^{0.956038*x^{0.828816}} * x^0 \qquad (6)$$

4.5 Thread 4

- Cost (RSS):2143.2

- Thread 4 found solution:

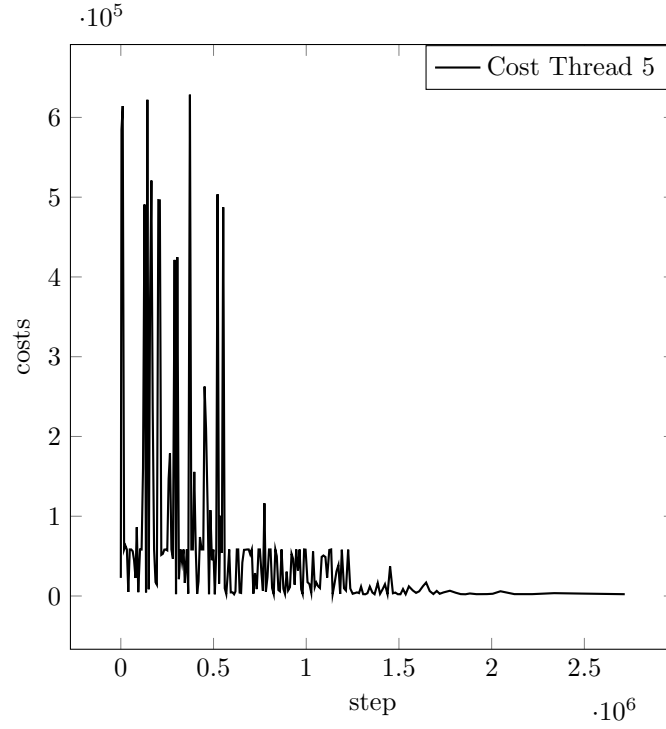$$-6.46543 + 1.04623e - 08 * 2^{0.809837*x^{0.860167}} * x^0 \tag{7}$$

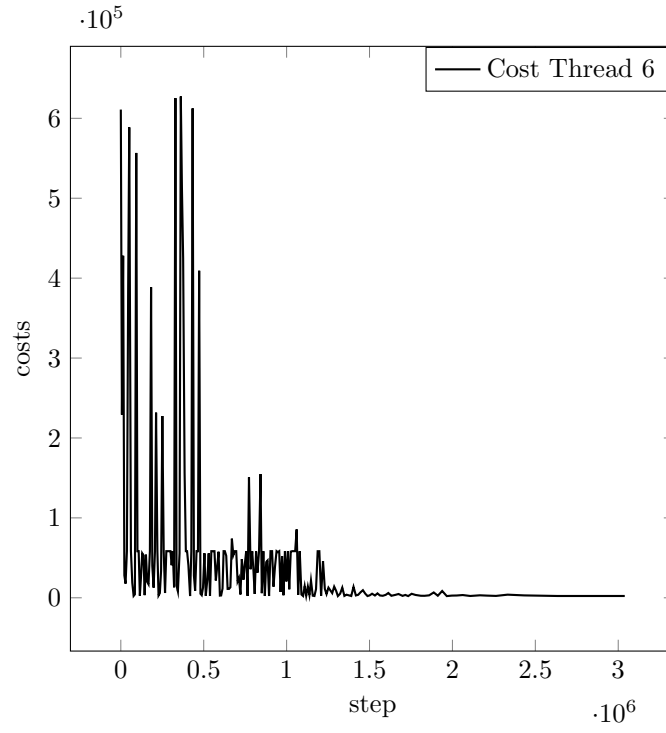## 4.6   Thread 5

- Cost (RSS):2142.03

- Thread 5 found solution:

$$-6.55568 + 1.13496e - 08 * 2^{0.800871*x^{0.861955}} * x^0 \tag{8}$$

4.7 Thread 6

- Cost (RSS):2126.66

- Thread 6 found solution:

$$-6.88697 + 6.49215e - 09 * 2^{0.908969 * x^{0.83831}} * x^0 \qquad (9)$$

4.8 Thread 7

- Cost (RSS):2141.48

- Thread 7 found solution:

$$-7.78559 + 8.74447e - 09 * 2^{0.90088*x^{0.837713}} * x^0 \tag{10}$$