

优化性能比较指标：ARS (Average Running Speed)

原始代码的 ARS 为（列举最后 10 个 iteration）:

```
Matrix multiply iteration 90: cost 4.438 seconds
Matrix multiply iteration 91: cost 4.286 seconds
Matrix multiply iteration 92: cost 4.530 seconds
Matrix multiply iteration 93: cost 4.454 seconds
Matrix multiply iteration 94: cost 4.355 seconds
Matrix multiply iteration 95: cost 5.030 seconds
Matrix multiply iteration 96: cost 4.367 seconds
Matrix multiply iteration 97: cost 4.711 seconds
Matrix multiply iteration 98: cost 4.527 seconds
Matrix multiply iteration 99: cost 4.480 seconds
Matrix multiply iteration 100: cost 4.294 seconds
Average cost 4.433 seconds
```

优化思路:

对 thrmodel.c 进行**线程池复用**

```
Matrix multiply iteration 90: cost 4.264 seconds
Matrix multiply iteration 91: cost 4.286 seconds
Matrix multiply iteration 92: cost 4.219 seconds
Matrix multiply iteration 93: cost 4.728 seconds
Matrix multiply iteration 94: cost 4.272 seconds
Matrix multiply iteration 95: cost 5.076 seconds
Matrix multiply iteration 96: cost 4.432 seconds
Matrix multiply iteration 97: cost 4.176 seconds
Matrix multiply iteration 98: cost 4.246 seconds
Matrix multiply iteration 99: cost 4.316 seconds
Matrix multiply iteration 100: cost 4.269 seconds
Average cost 4.352 seconds
```