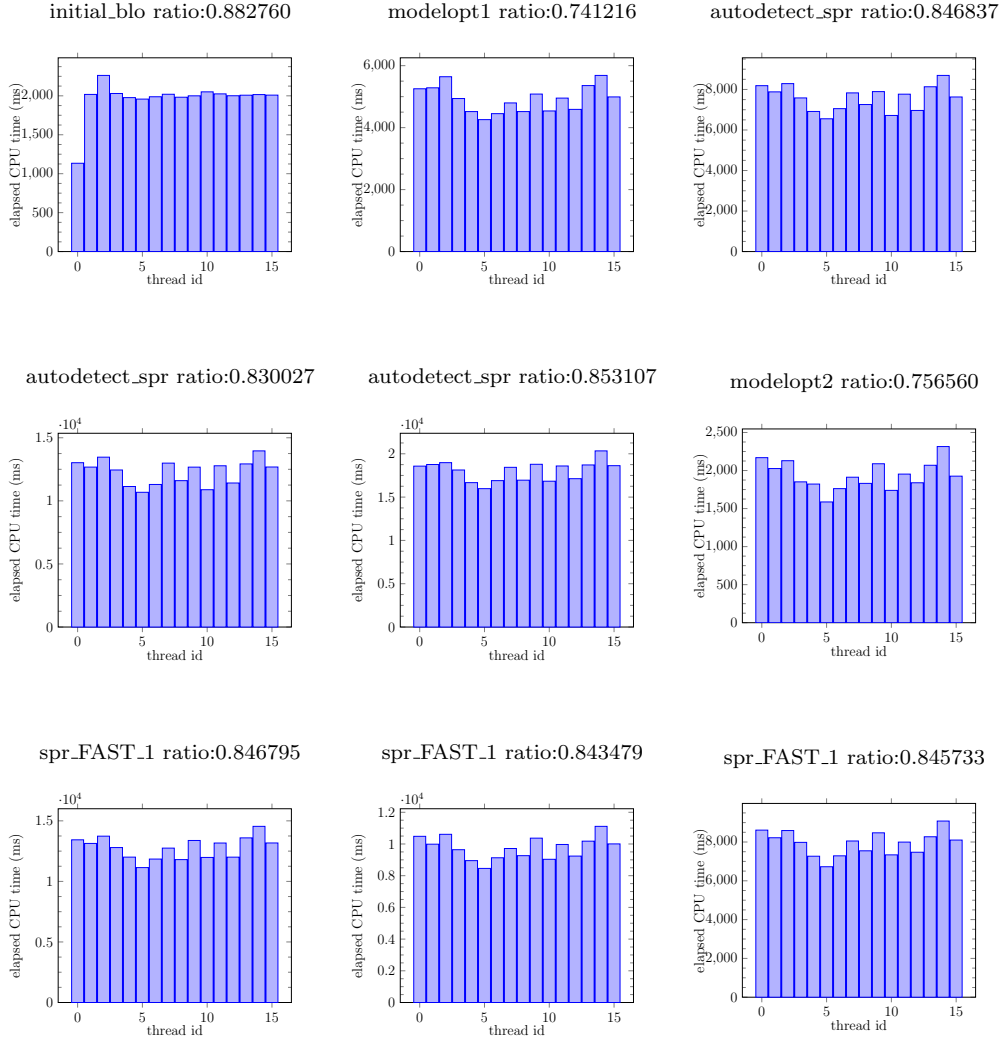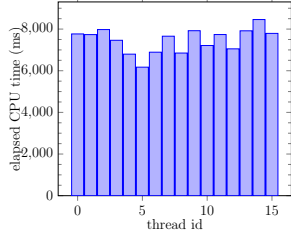# 1 Description

- Each graph corresponds to one step of the pipeline (one model para-mater opt, one spr round etc.).

- Each graph represents the cpu time (y axis) spent in each thread (x axis) for its step.

- The ratio value after the name of the step is the average time spent in real computations (not waiting for the other cores) over all the threads.
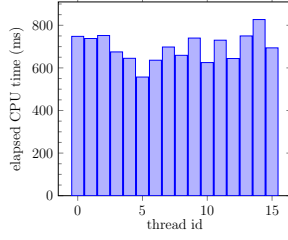
2 DNA 404, 16 threads, repeats

initial_blo ratio:0.882760

modelopt1 ratio:0.741216

autodetect_spr ratio:0.846837

autodetect_spr ratio:0.830027

autodetect_spr ratio:0.853107

modelopt2 ratio:0.756560

spr_FAST_1 ratio:0.846795

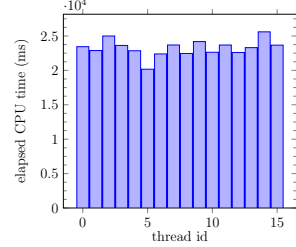spr_FAST_1 ratio:0.843479

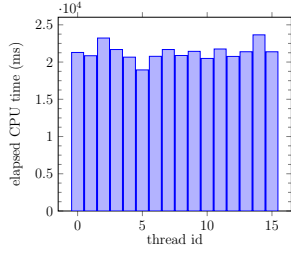spr_FAST_1 ratio:0.845733

1

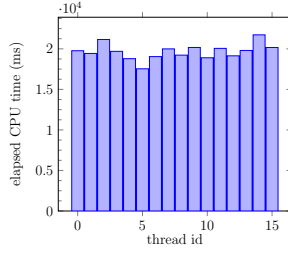spr_FAST_1 ratio:0.819408

modelopt3 ratio:0.766051
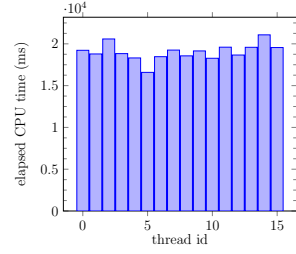
spr_SLOW_2 ratio:0.828010
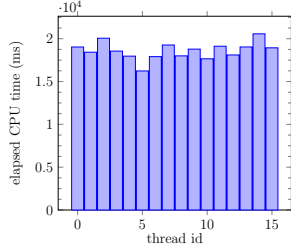
spr_SLOW_2 ratio:0.848336
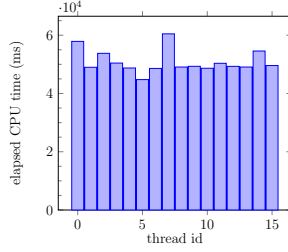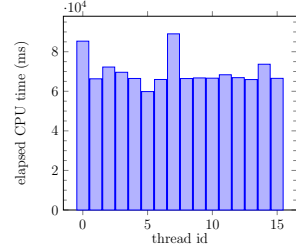
spr_SLOW_2 ratio:0.846112
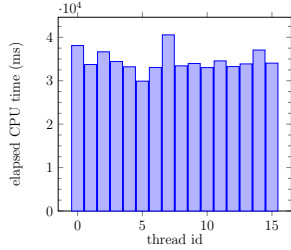
spr_SLOW_2 ratio:0.843757

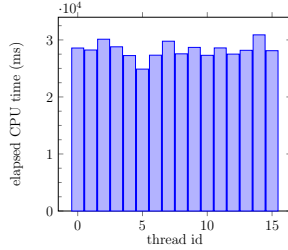spr_SLOW_2 ratio:0.827297

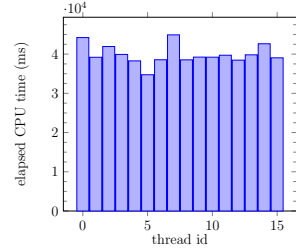spr_SLOW_2 ratio:0.780864
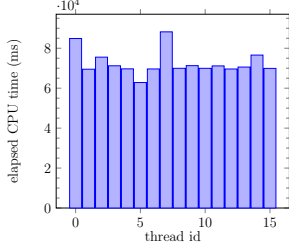
spr_SLOW_2 ratio:0.743178
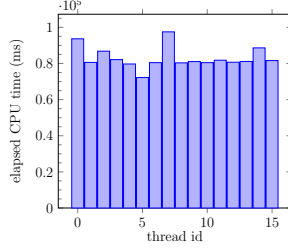
spr_SLOW_2 ratio:0.798245

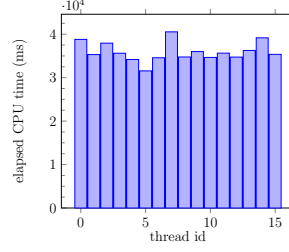spr_SLOW_2 ratio:0.851576

spr_SLOW_2 ratio:0.805776
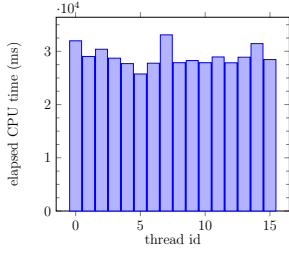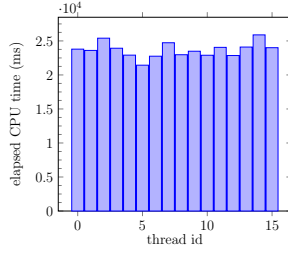
2

spr_SLOW_2 ratio:0.769541
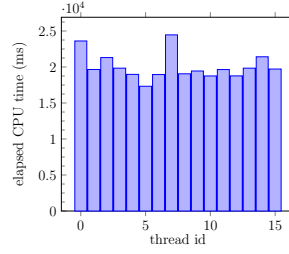
spr_SLOW_2 ratio:0.790691

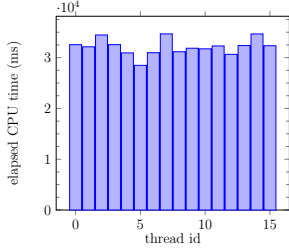spr_SLOW_2 ratio:0.812919

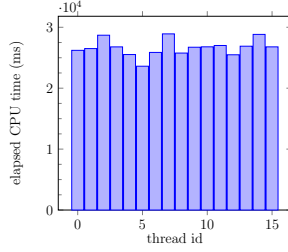spr_SLOW_2 ratio:0.800705

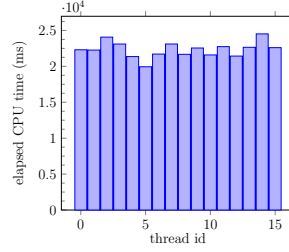spr_SLOW_2 ratio:0.855649

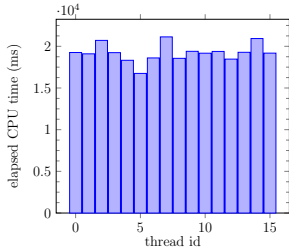spr_SLOW_2 ratio:0.764392

spr_SLOW_2 ratio:0.832376
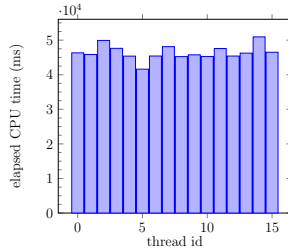
spr_SLOW_2 ratio:0.830798
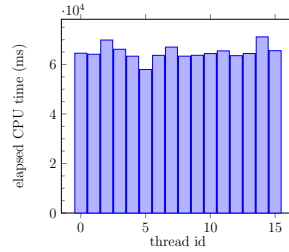
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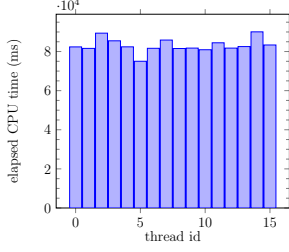
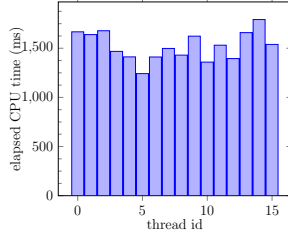spr_SLOW_2 ratio:0.821712

spr_SLOW_2 ratio:0.853049

spr_SLOW_2 ratio:0.845949
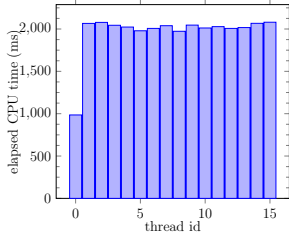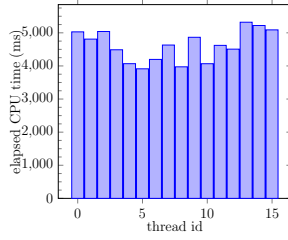
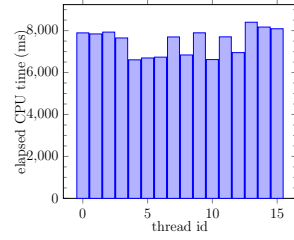spr_SLOW_2 ratio:0.858236

modelopt4 ratio:0.767658
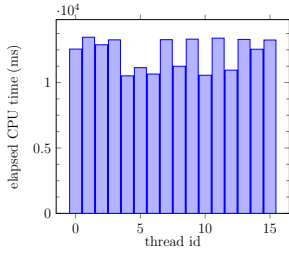
3 square
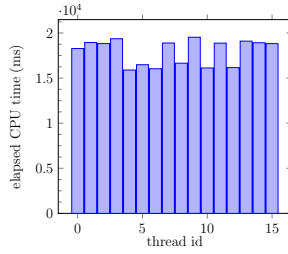
initial_blo ratio:0.951130
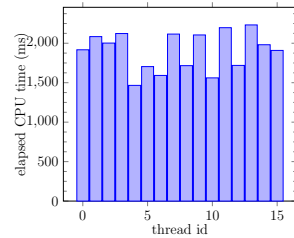
modelopt1 ratio:0.780348

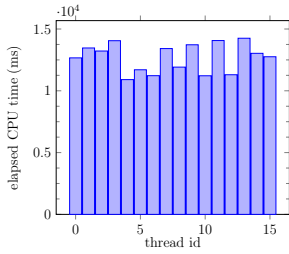autodetect_spr ratio:0.856596

autodetect_spr ratio:0.867739
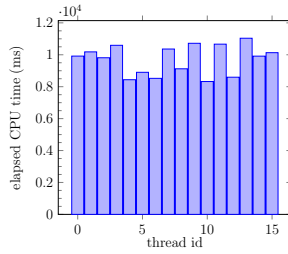
autodetect_spr ratio:0.872798
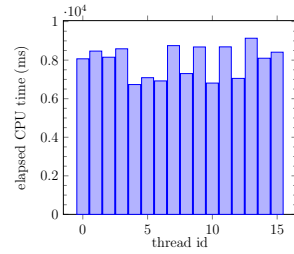
modelopt2 ratio:0.760601
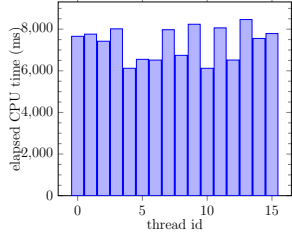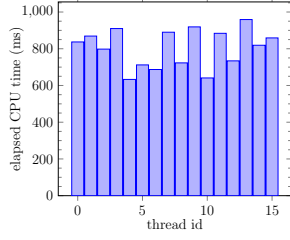
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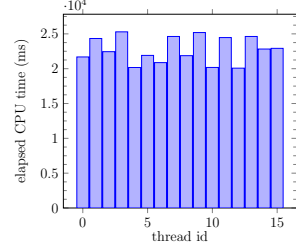
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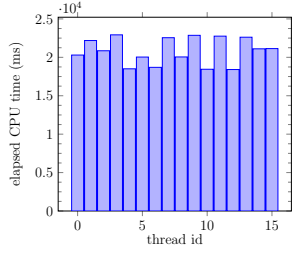
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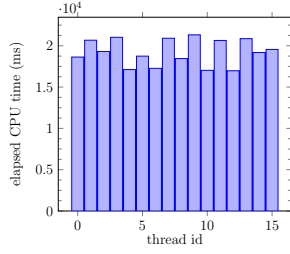spr_FAST_1 ratio:0.849736

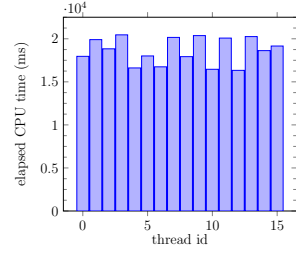modelopt3 ratio:0.760872

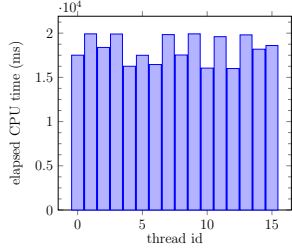spr_SLOW_2 ratio:0.839941

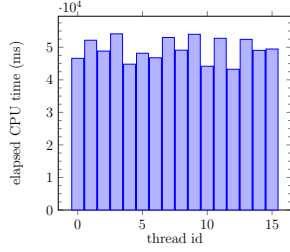spr_SLOW_2 ratio:0.847670

spr_SLOW_2 ratio:0.846458
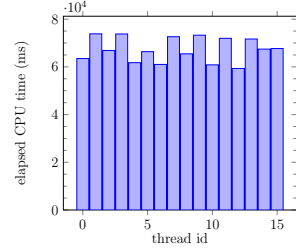
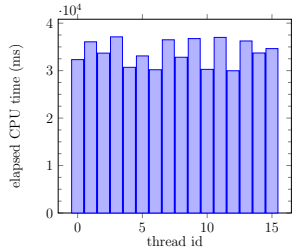spr_SLOW_2 ratio:0.845453

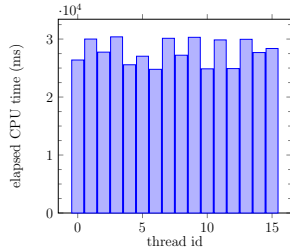spr_SLOW_2 ratio:0.844954

spr_SLOW_2 ratio:0.843440
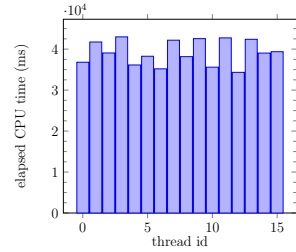
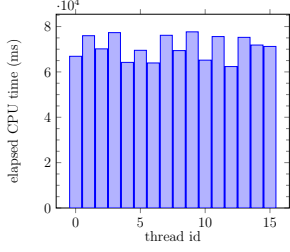spr_SLOW_2 ratio:0.850750

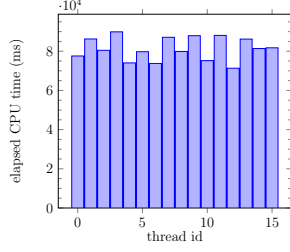spr_SLOW_2 ratio:0.845390

spr_SLOW_2 ratio:0.844706
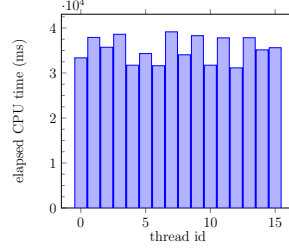
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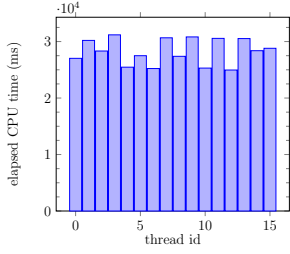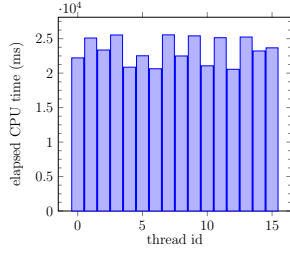
5

spr_SLOW_2 ratio:0.849505
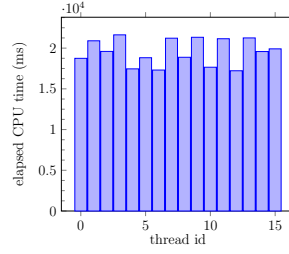
spr_SLOW_2 ratio:0.845940

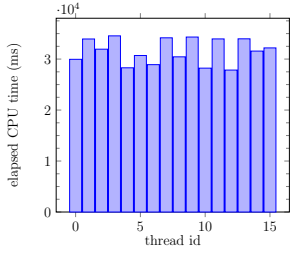spr_SLOW_2 ratio:0.839192

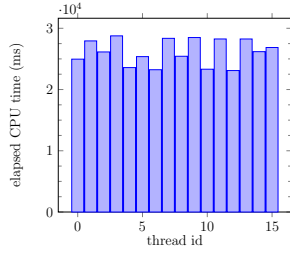spr_SLOW_2 ratio:0.849130

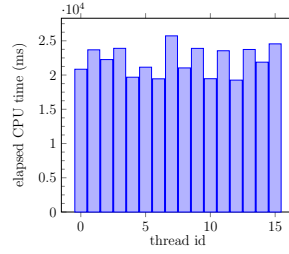spr_SLOW_2 ratio:0.845483

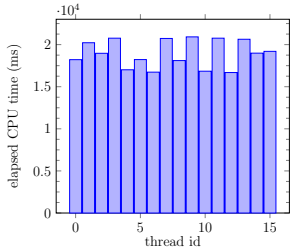spr_SLOW_2 ratio:0.842524

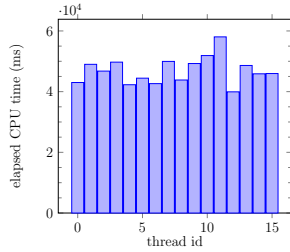spr_SLOW_2 ratio:0.849202

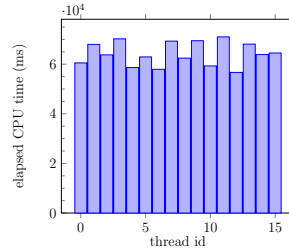spr_SLOW_2 ratio:0.844802

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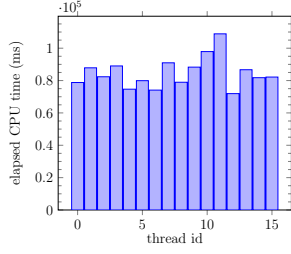
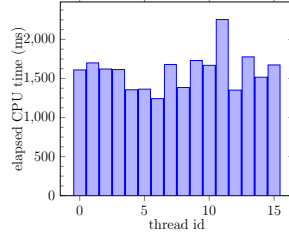spr_SLOW_2 ratio:0.842978

spr_SLOW_2 ratio:0.760943

spr_SLOW_2 ratio:0.842960
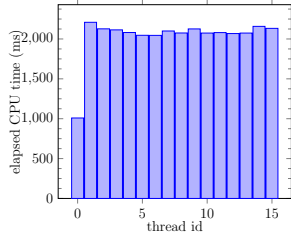
spr_SLOW_2 ratio:0.735939

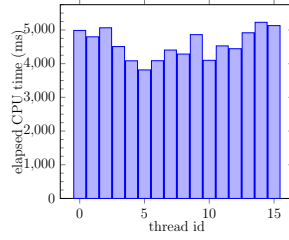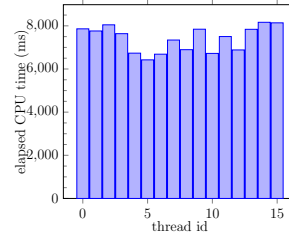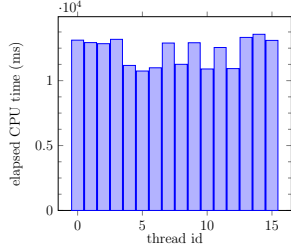modelopt4 ratio:0.678218

4   constants
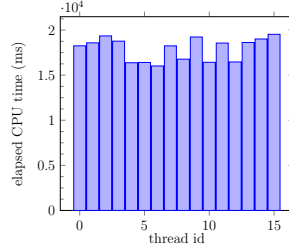
initial_blo ratio:0.952063
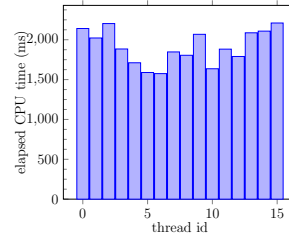
modelopt1 ratio:0.800349

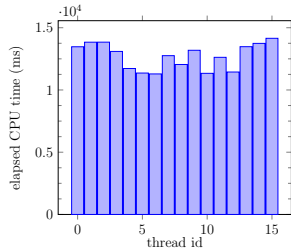autodetect_spr ratio:0.874864

autodetect_spr ratio:0.859692
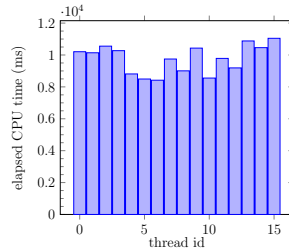
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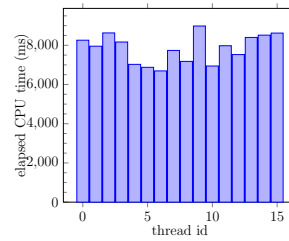
modelopt2 ratio:0.789911
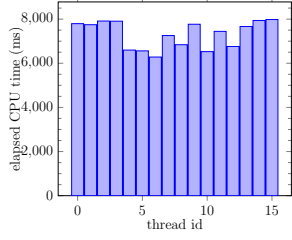
spr_FAST_1 ratio:0.864135
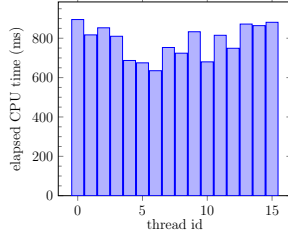
spr_FAST_1 ratio:0.830874
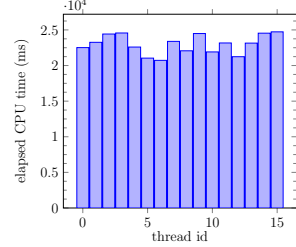
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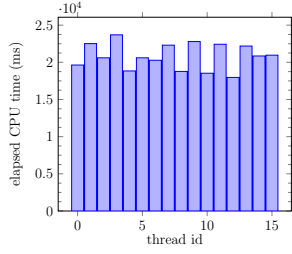
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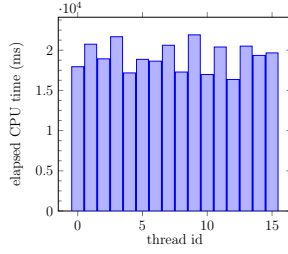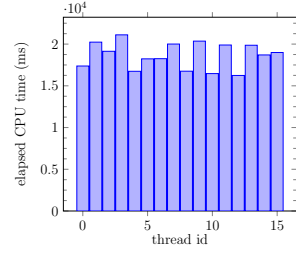
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spr_SLOW_2 ratio:0.856204

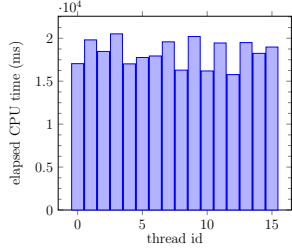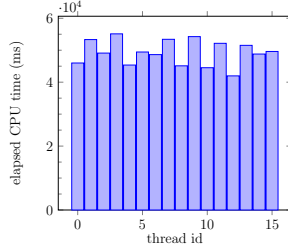spr_SLOW_2 ratio:0.843703

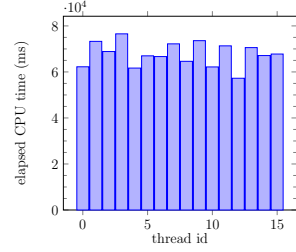spr_SLOW_2 ratio:0.827262

spr_SLOW_2 ratio:0.844136

spr_SLOW_2 ratio:0.848109

spr_SLOW_2 ratio:0.848796

spr_SLOW_2 ratio:0.848991

spr_SLOW_2 ratio:0.838261