

Results of x86 benchmarks on the following platform:

- Intel Core I7 11800H

  - 8 cores

  - 8x48KB L1D

  - 8x1.25MB L2

  - 24MB L3

- 32GB DDR4

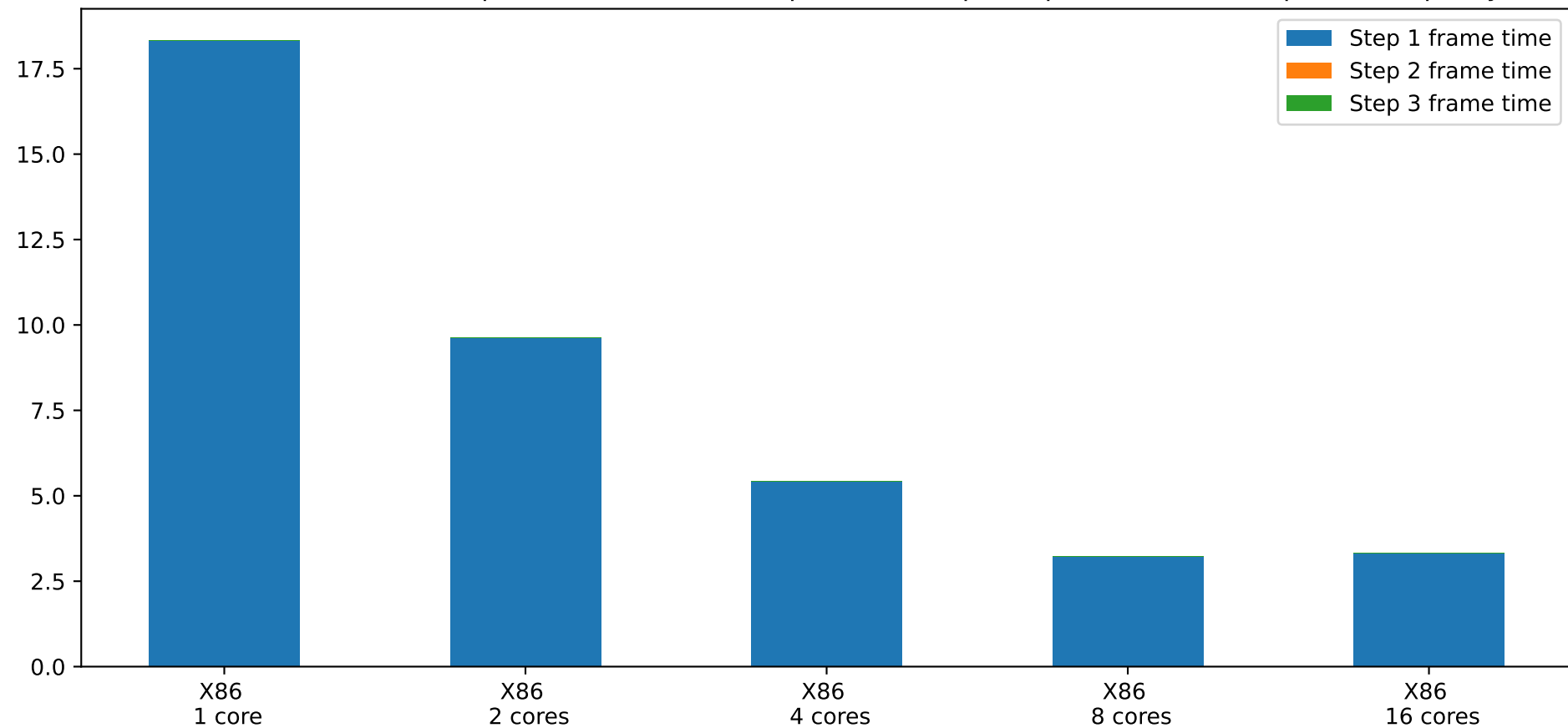
Results of Raspberry pi benchmarks on the following platform:

- Raspberry pi 3B
- 4 cores Cortex-A53
- 1GB DDR2

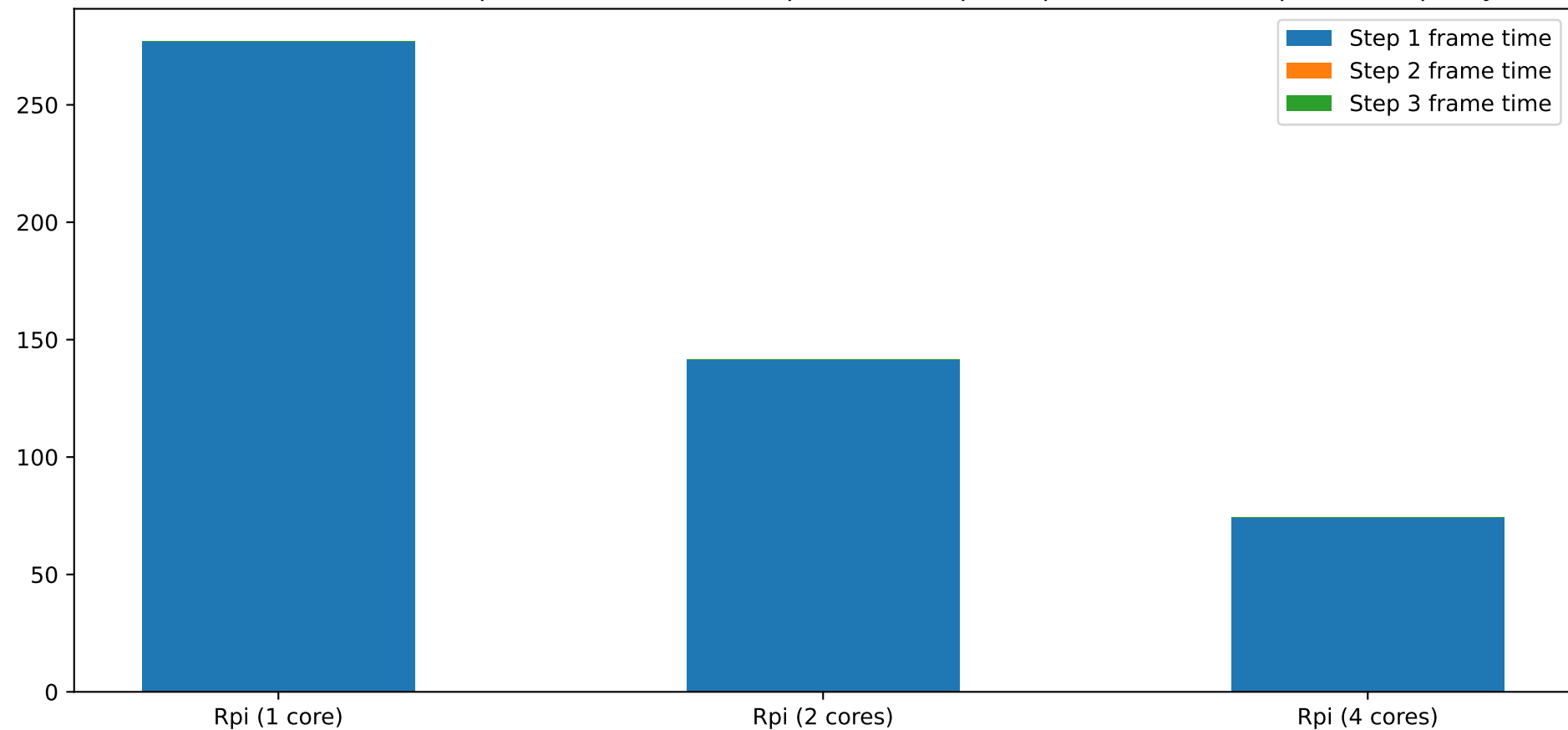
If not specified, the following default parameters are applied:

- input resolution: 1920\*480
- STEP1\_ACCUMULATOR\_BLOC\_COUNT = 16
- PATH\_DETECTION\_RADIUS = 150
- Scheduling policy = Hybrid

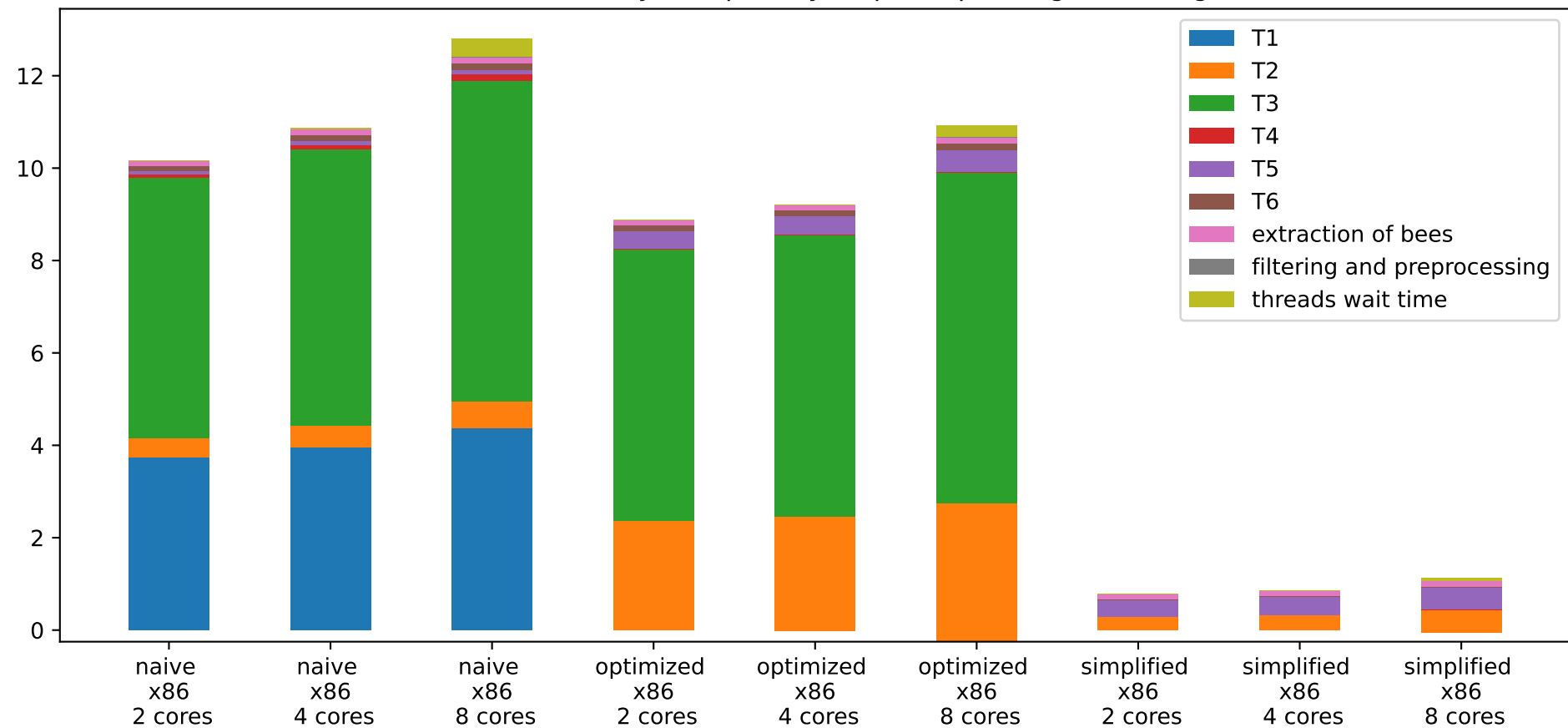
Frame time with naive implementation (ms) (step1 naive, step2 sequential, All cores per frame policy)



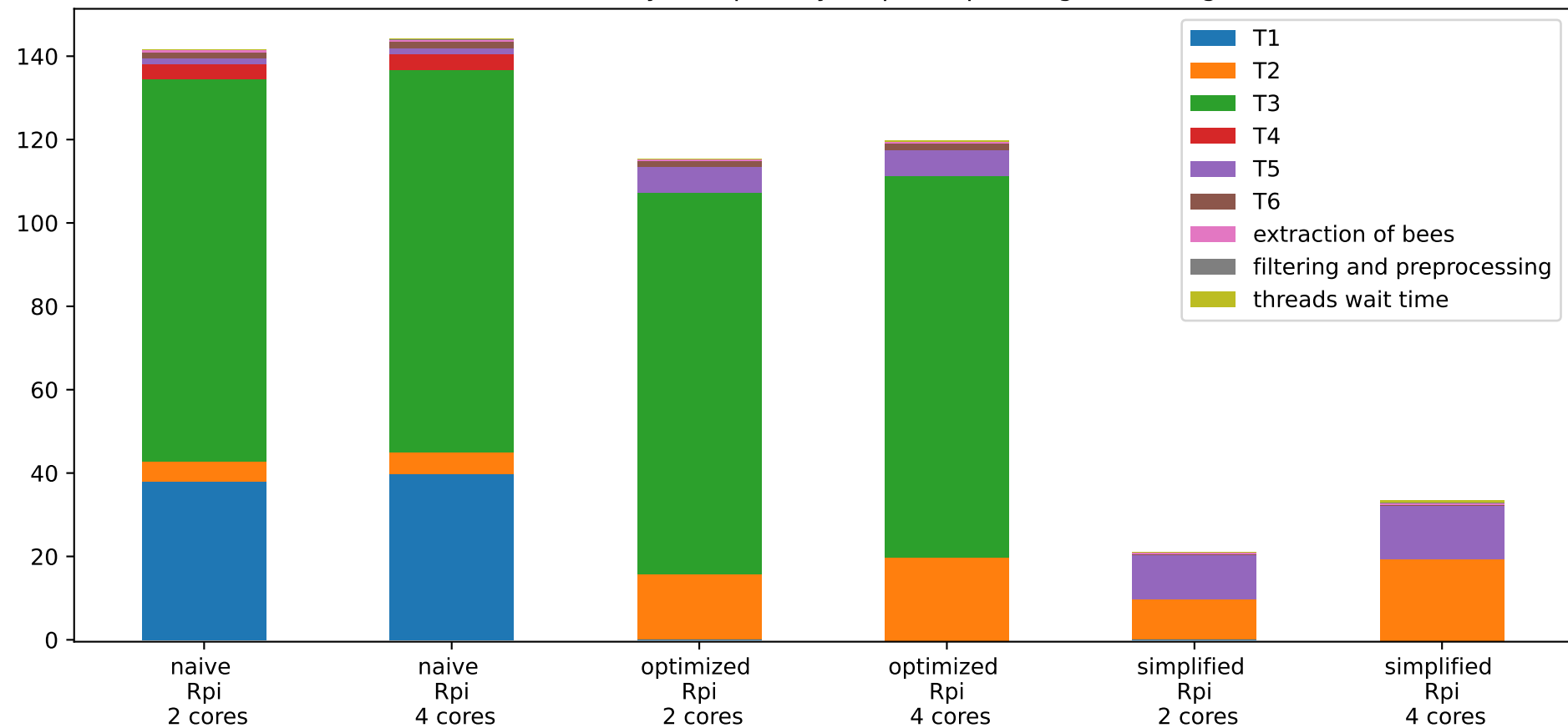
Frame time with naive implementation (ms) (step1 naive, step2 sequential, all cores per frame policy)



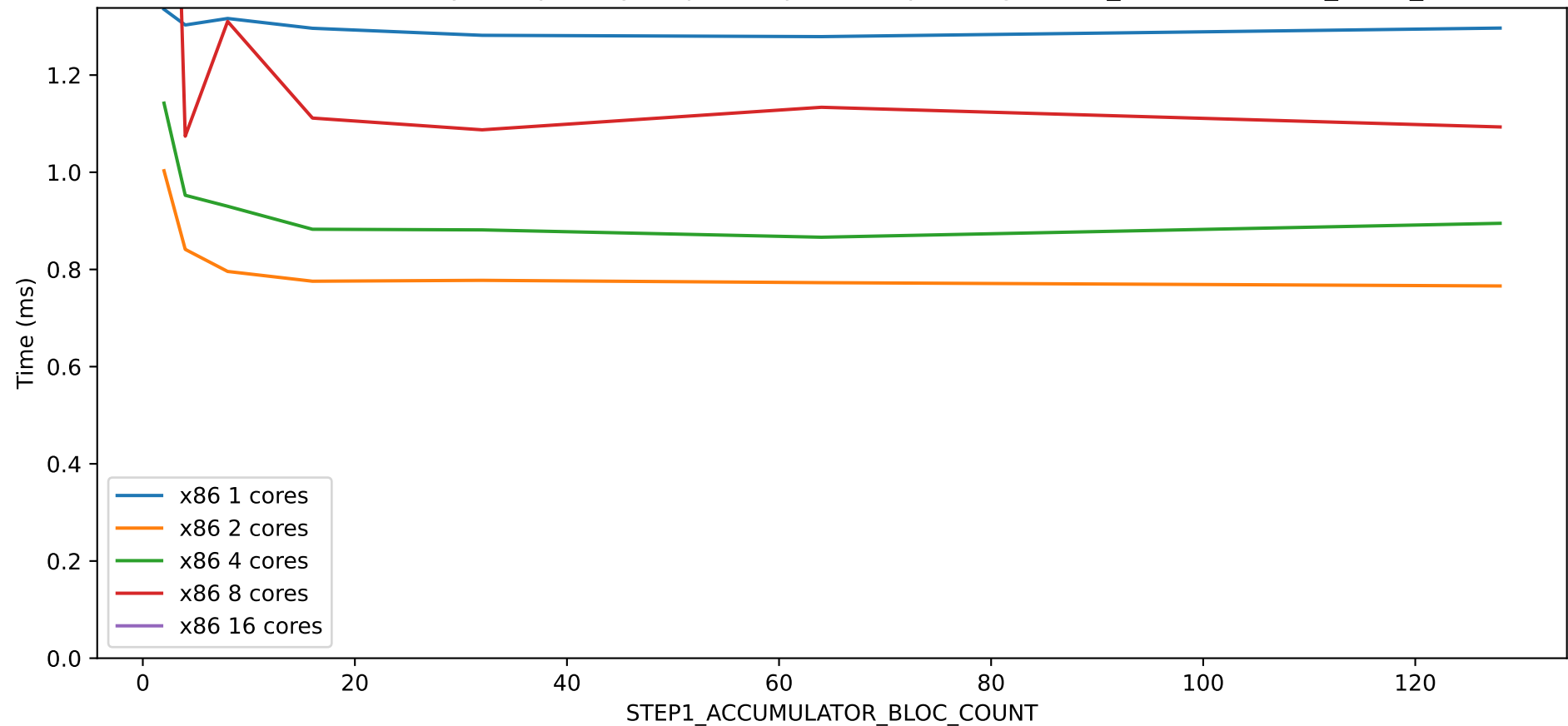
Portion of frame time latency occupied by step 1 depending on the algorithm (ms)



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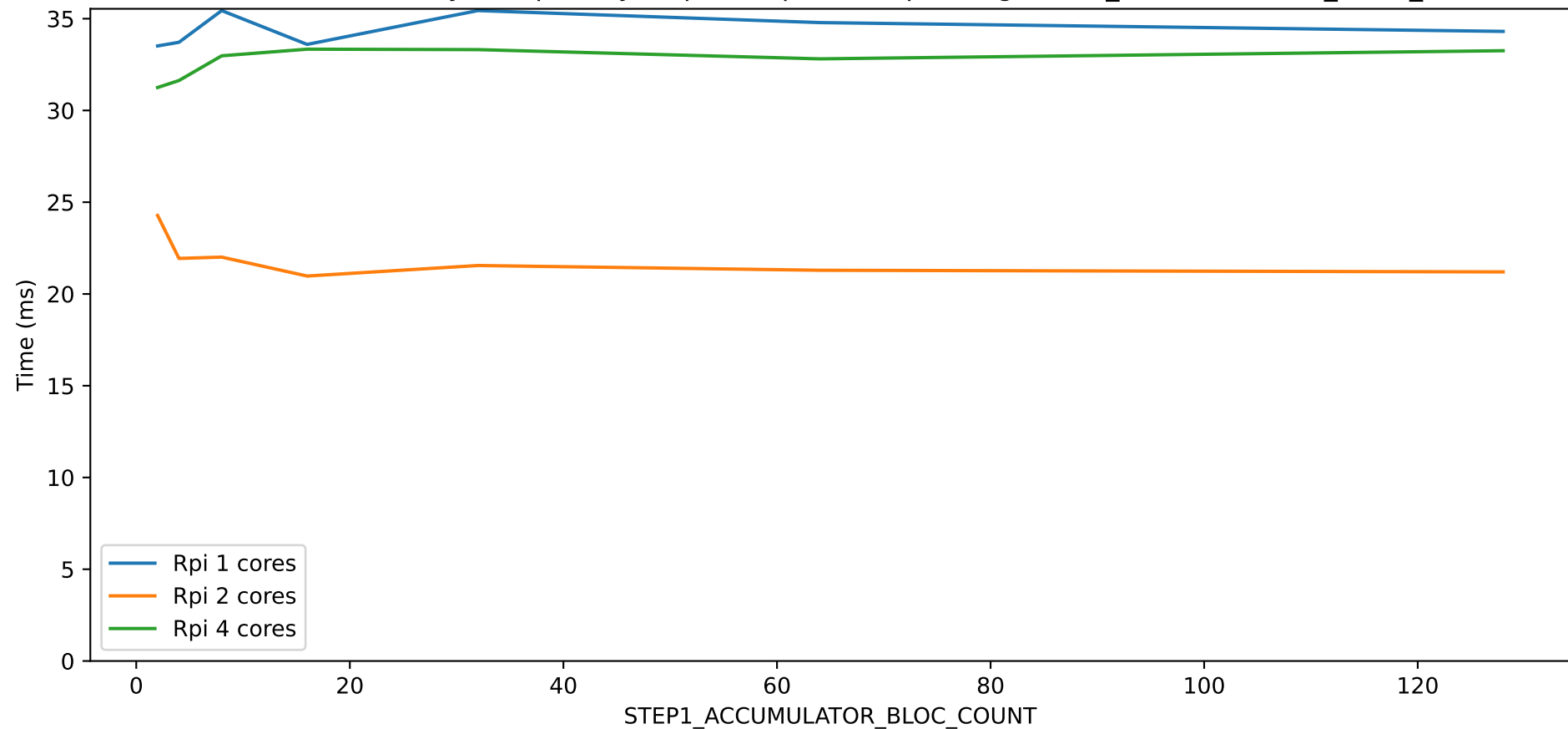


Portion of frame time latency occupied by step 1 simplified depending STEP1\_ACCUMULATOR\_BLOC\_COUNT (ms)

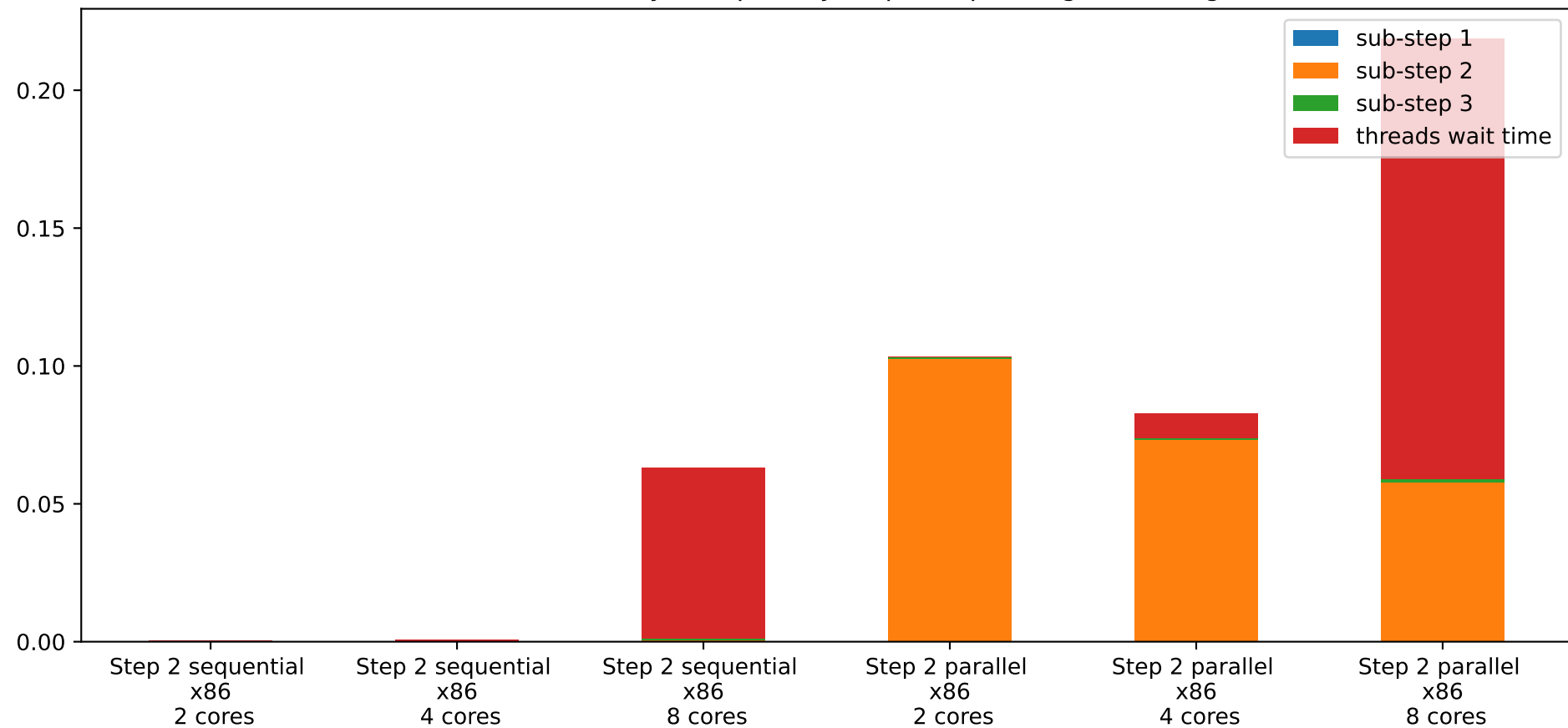




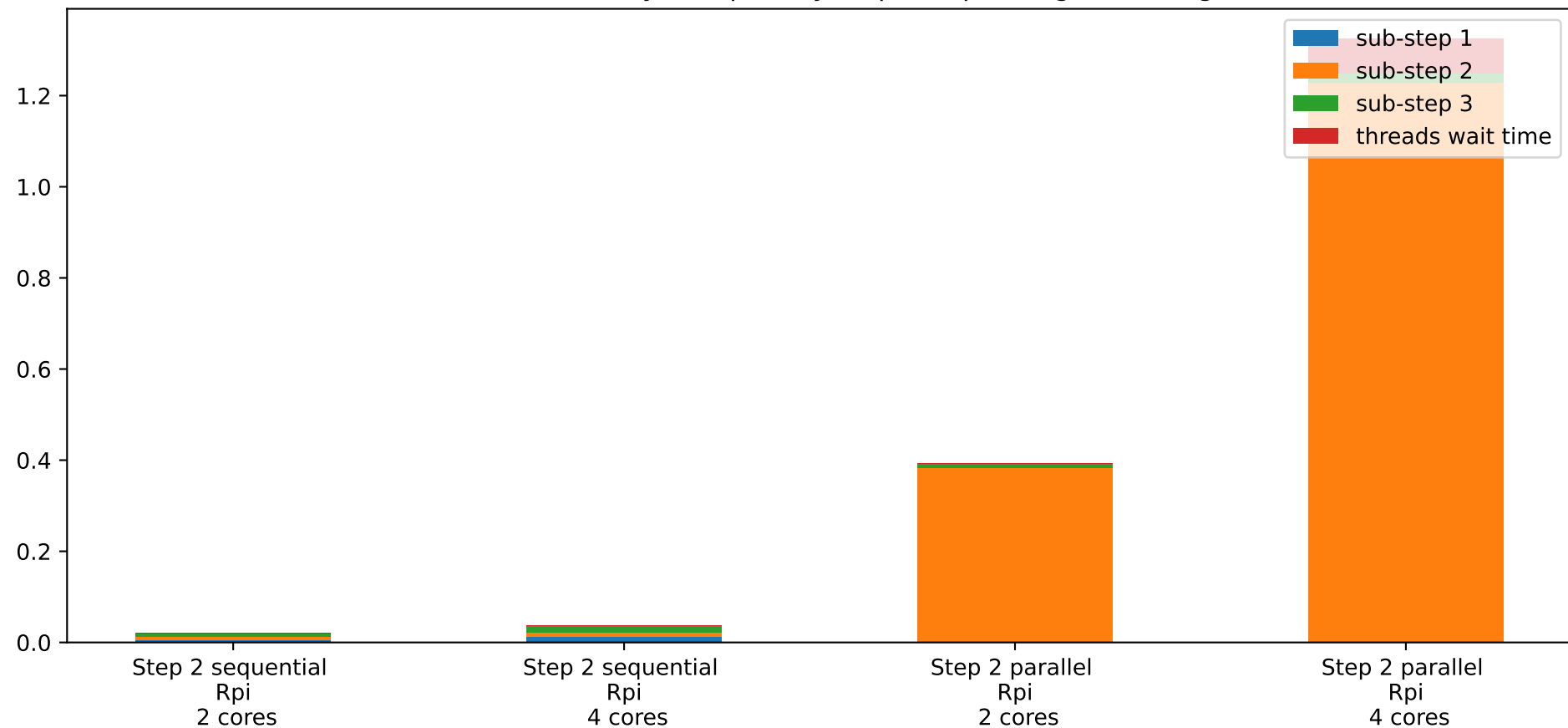
Portion of frame time latency occupied by step 1 simplified depending STEP1\_ACCUMULATOR\_BLOC\_COUNT (ms)



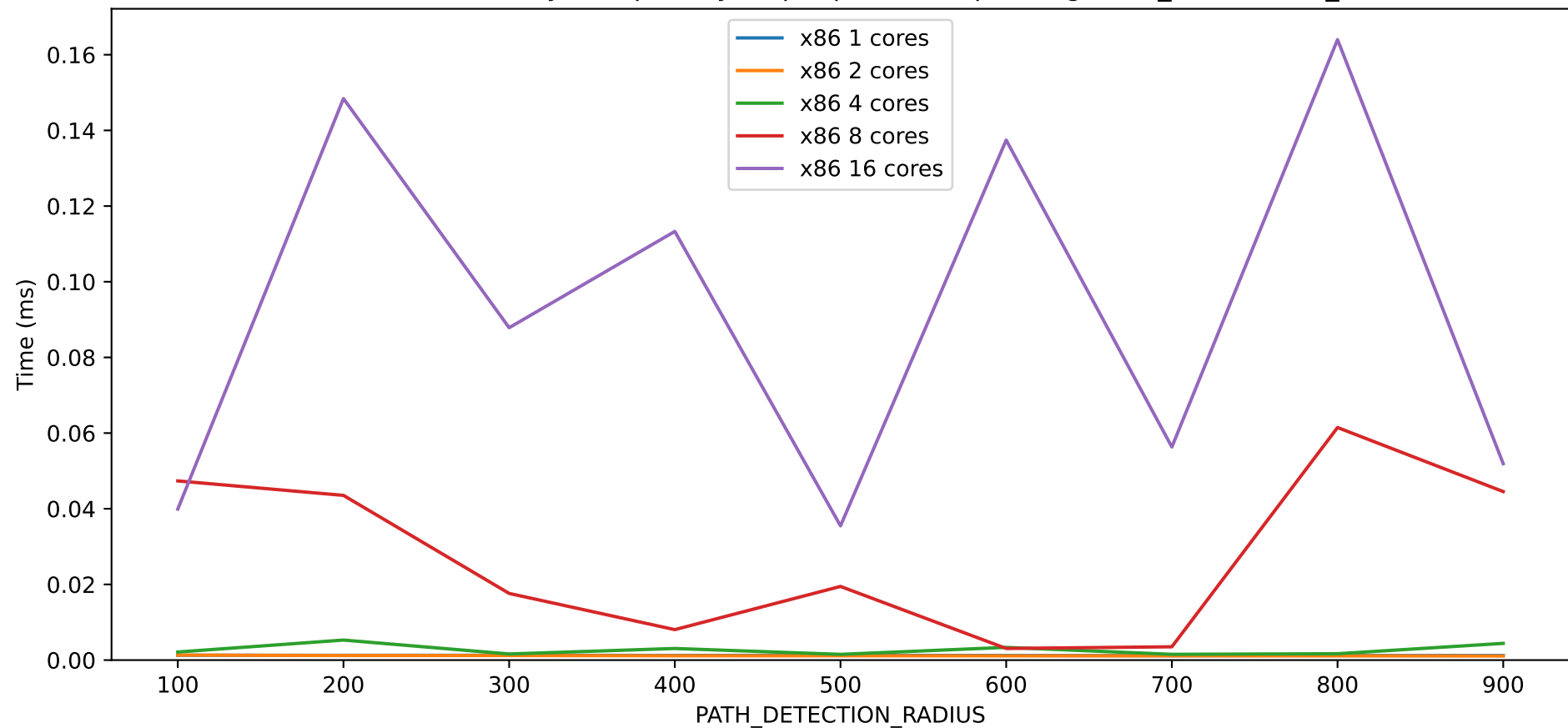
Portion of frame time latency occupied by step 2 depending on the algorithm (ms)



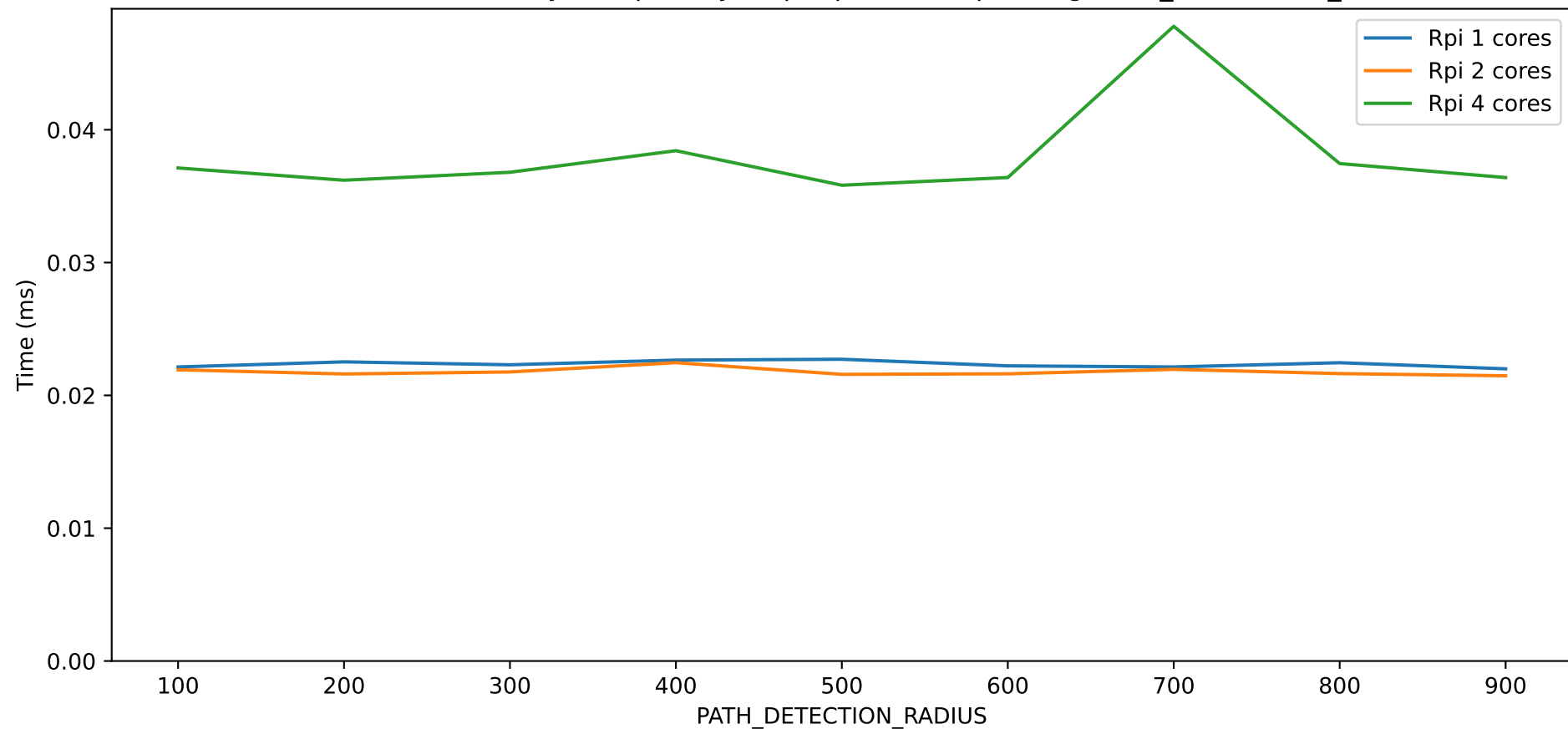
Portion of frame time latency occupied by step 2 depending on the algorithm (ms)



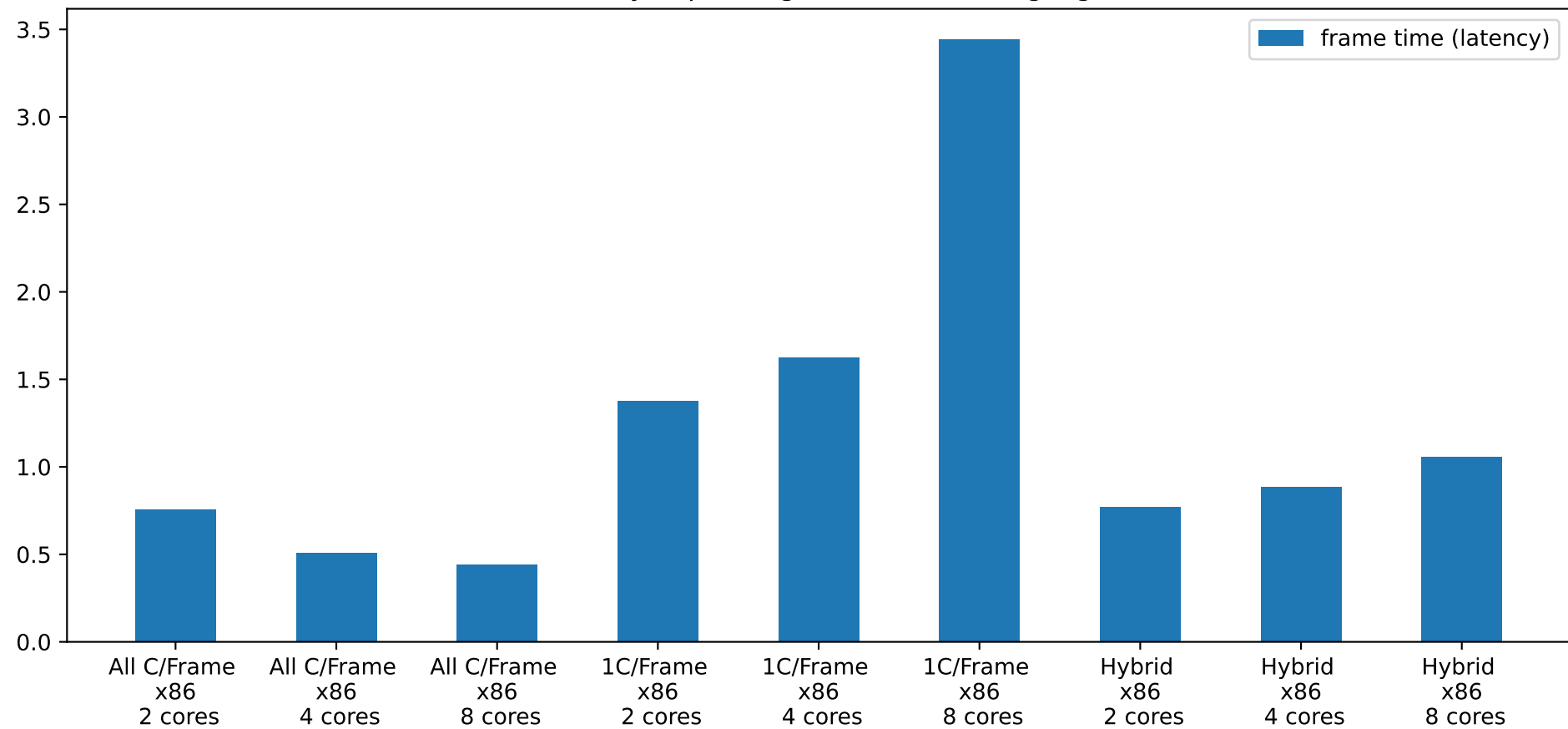
Portion of frame time latency occupied by step 2 parallel depending PATH\_DETECTION\_RADIUS (ms)



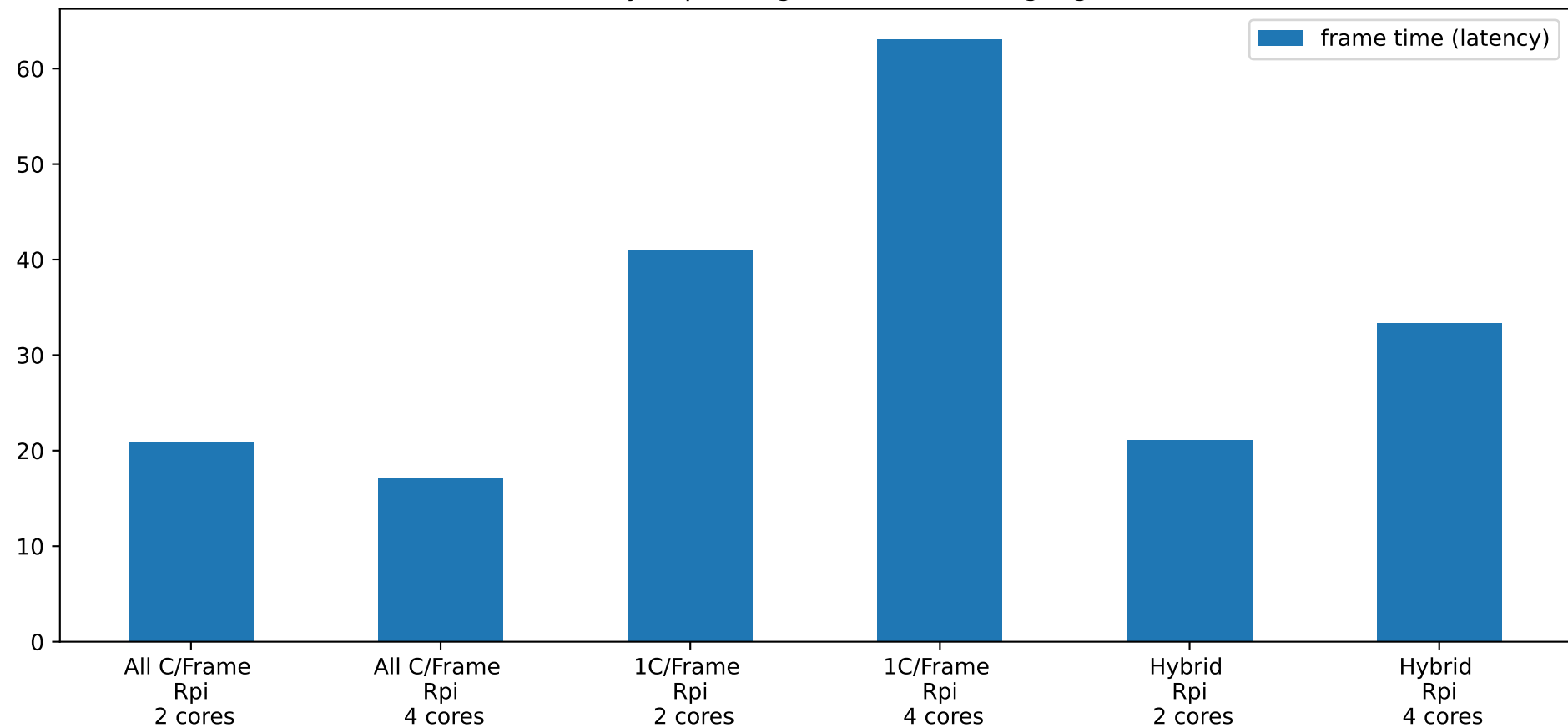
Portion of frame time latency occupied by step 2 parallel depending PATH\_DETECTION\_RADIUS (ms)



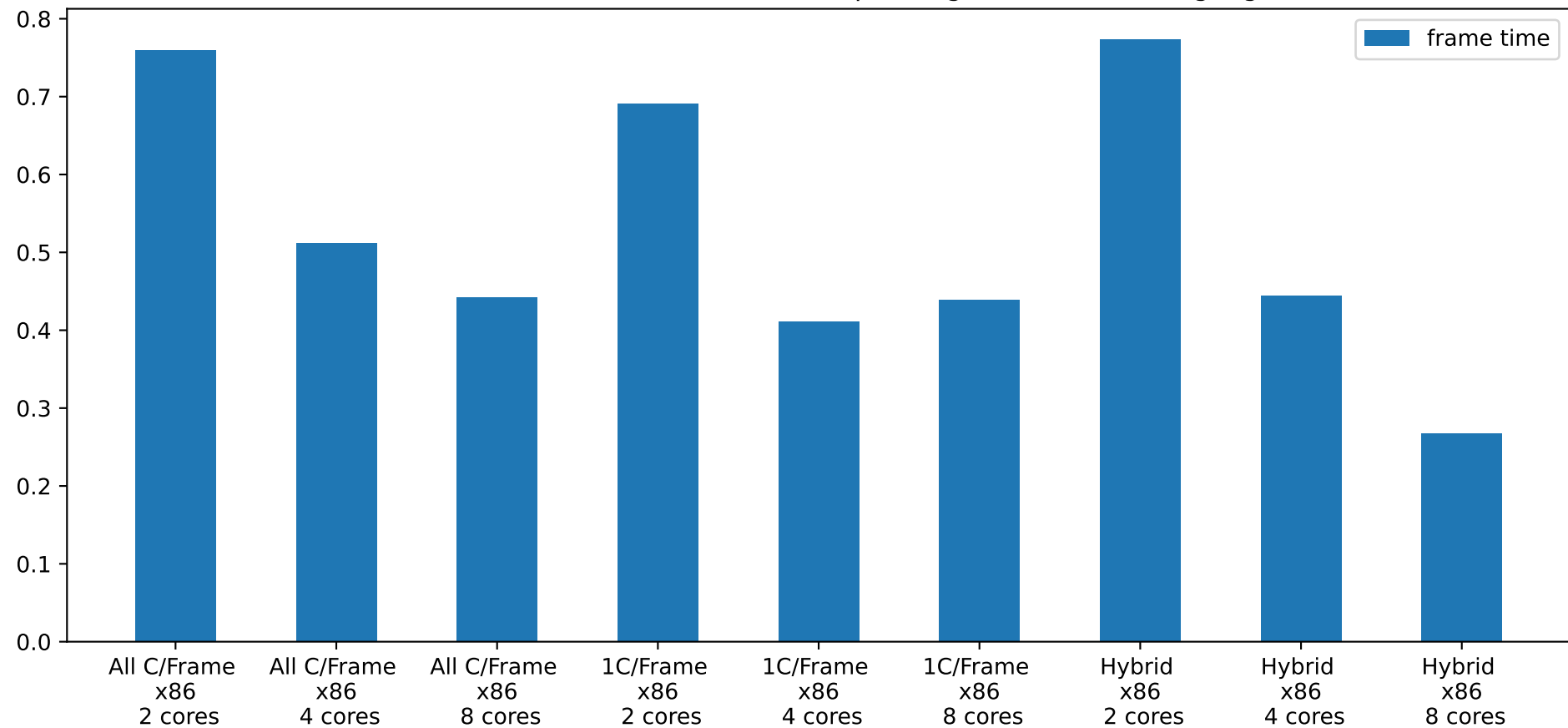
Frame time latency depending on the scheduling algorithm (ms)



Frame time latency depending on the scheduling algorithm (ms)

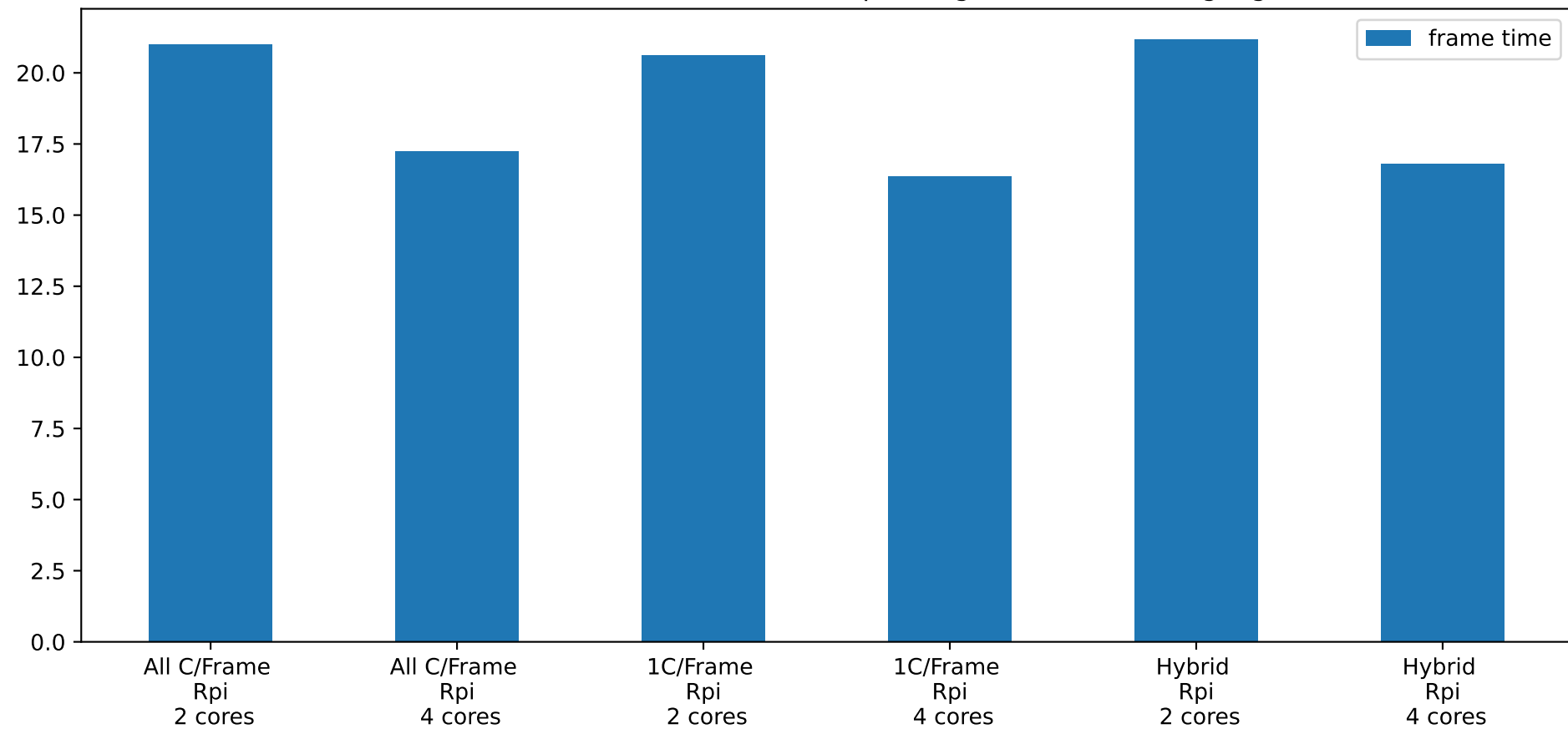


Virtual frame time (total time / frame count) depending on the scheduling algorithm (ms)

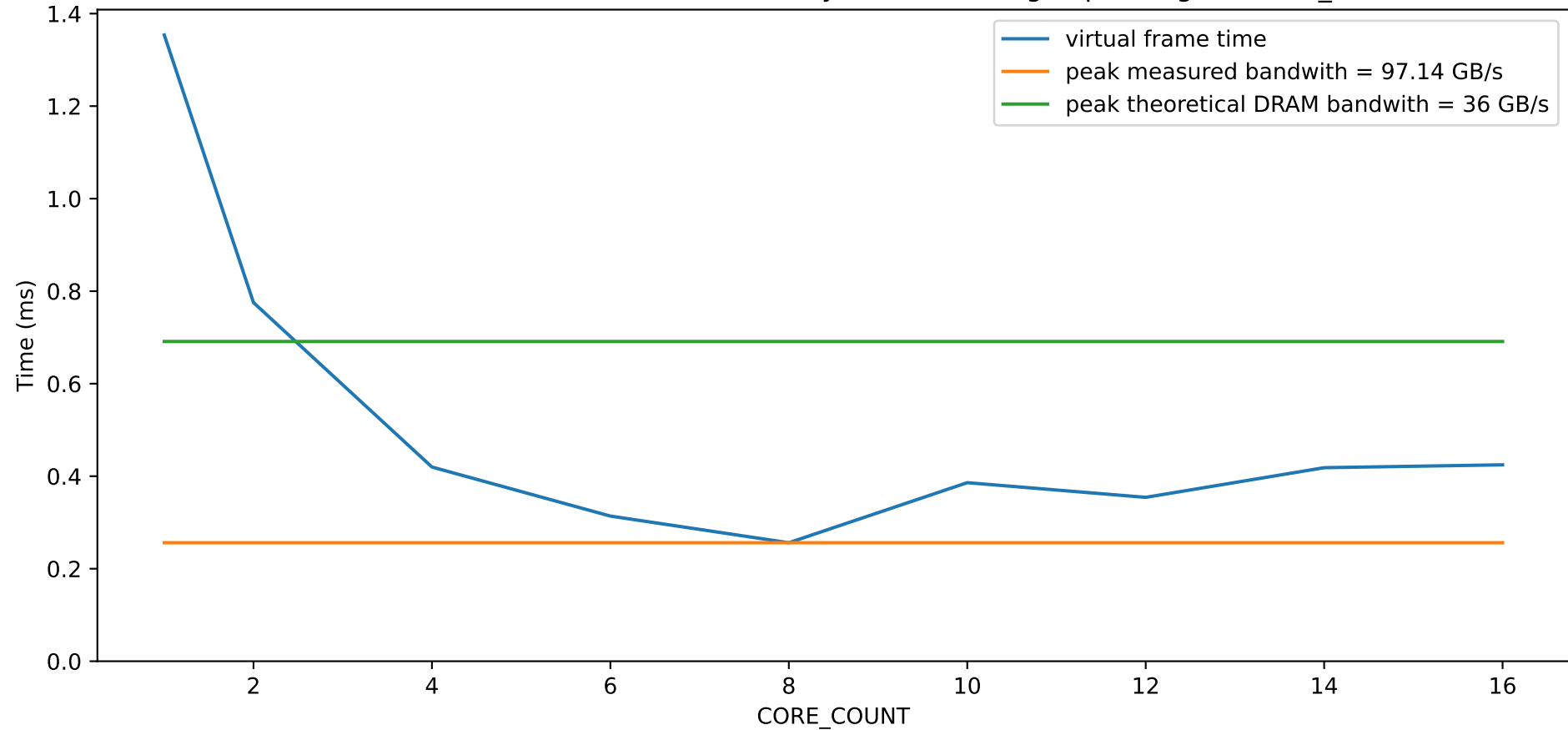




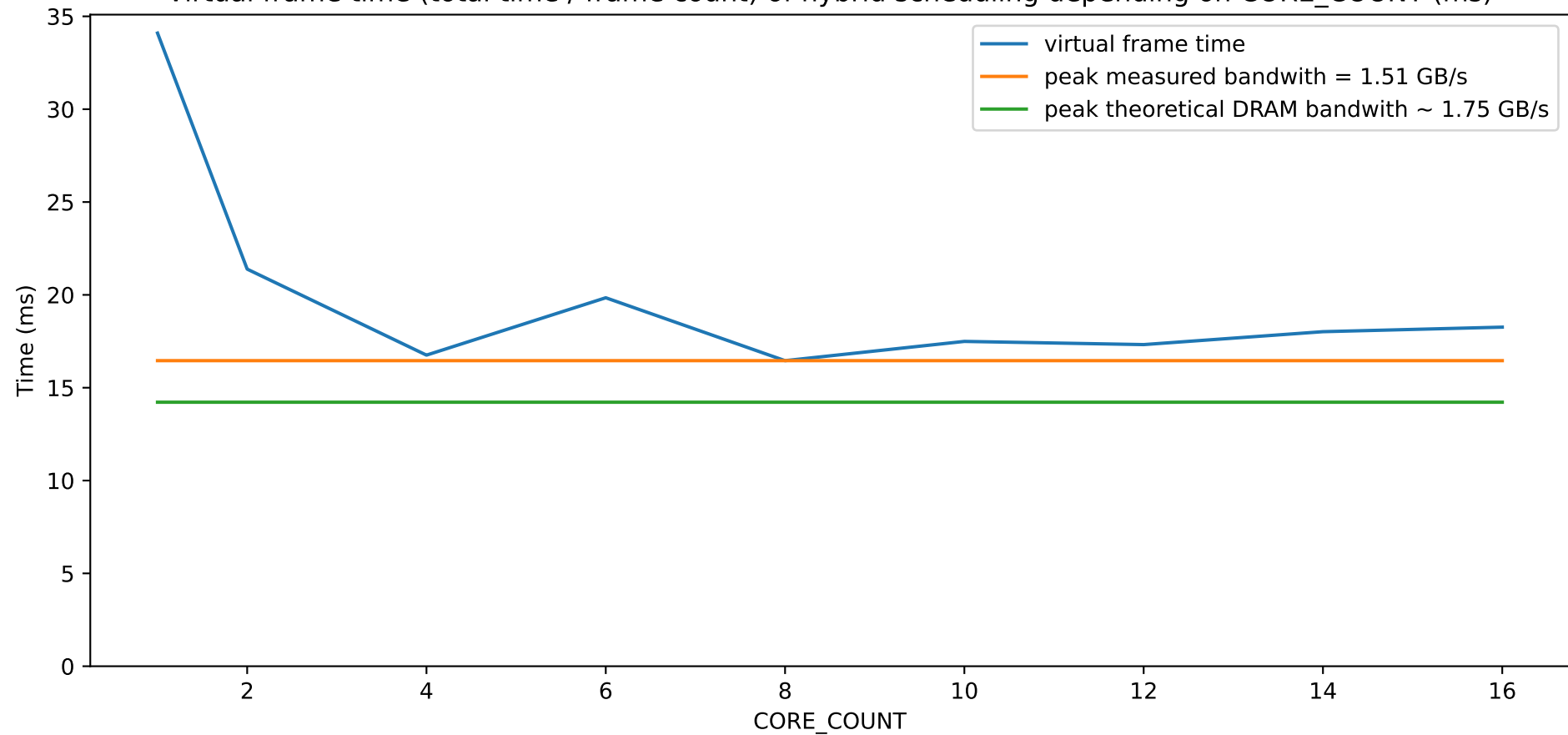
Virtual frame time (total time / frame count) depending on the scheduling algorithm (ms)



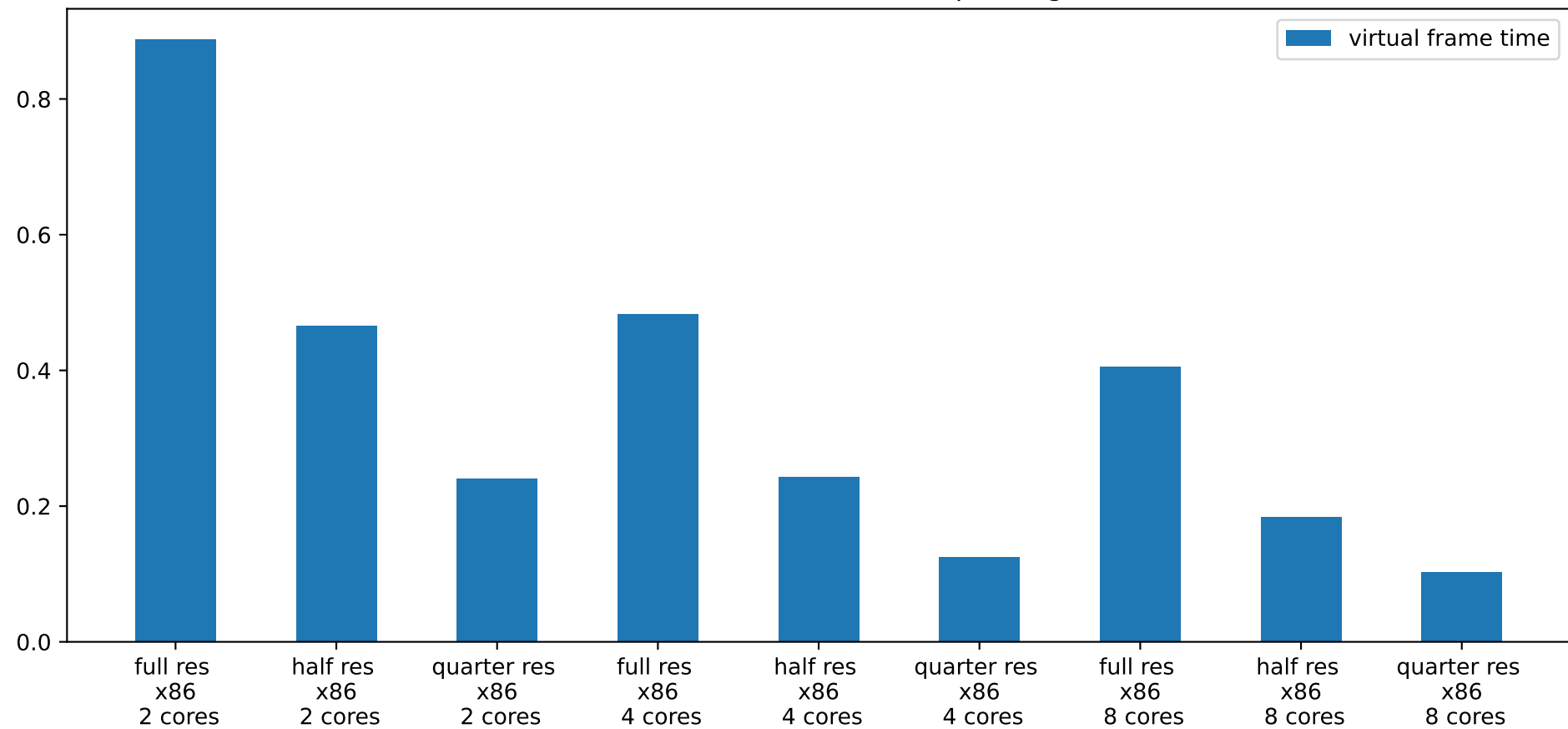
Virtual frame time (total time / frame count) of hybrid scheduling depending on CORE\_COUNT (ms)



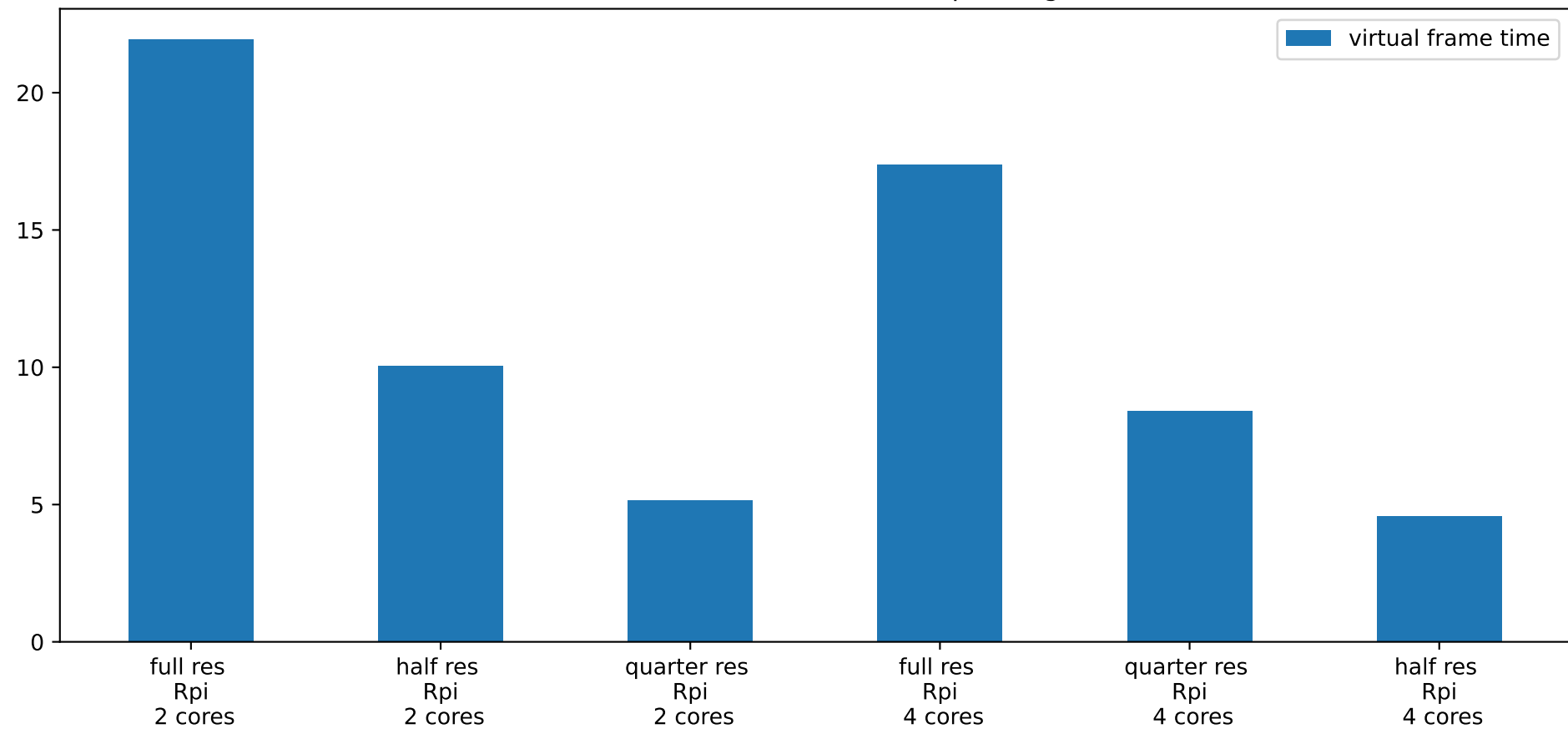
Virtual frame time (total time / frame count) of hybrid scheduling depending on CORE\_COUNT (ms)



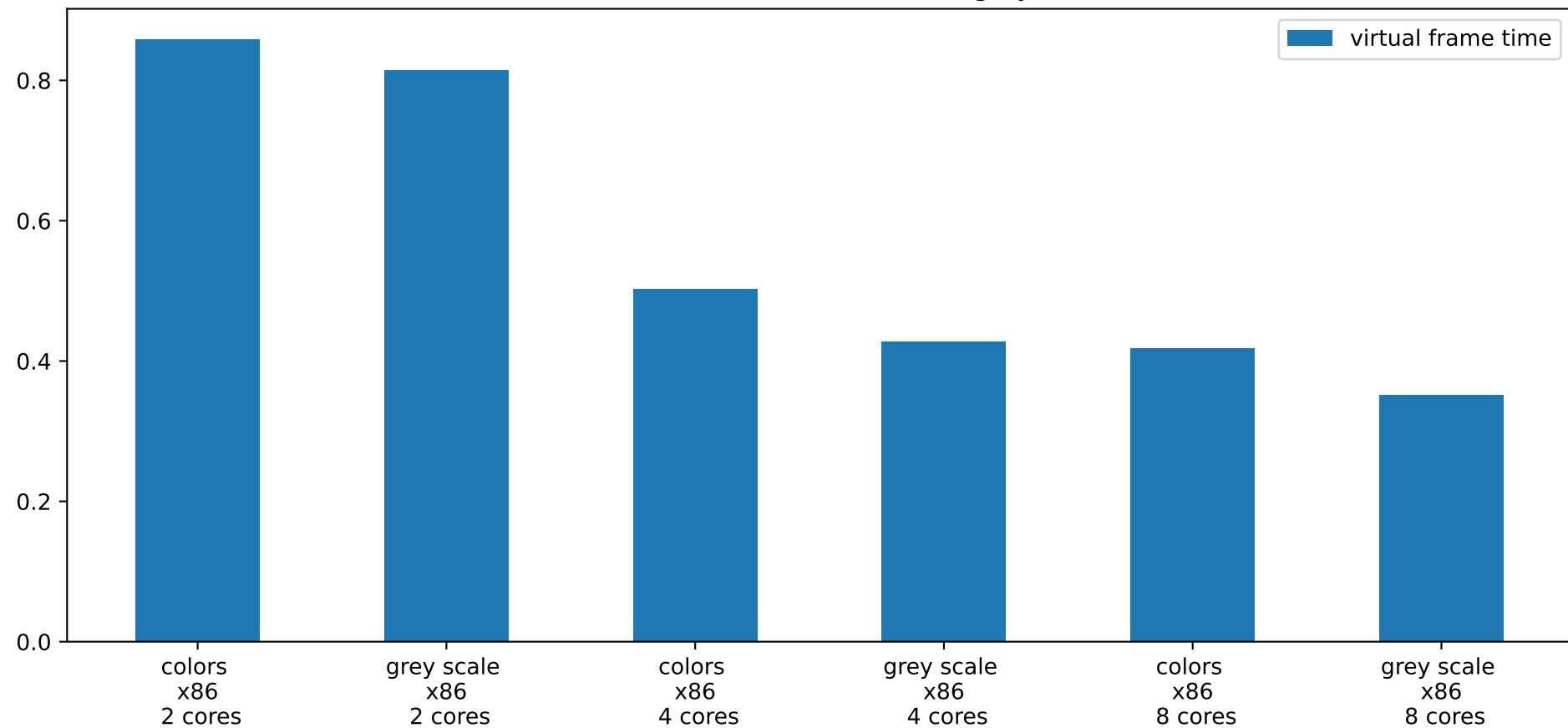
Virtual frame time (total time / frame count) depending on resolution (ms)



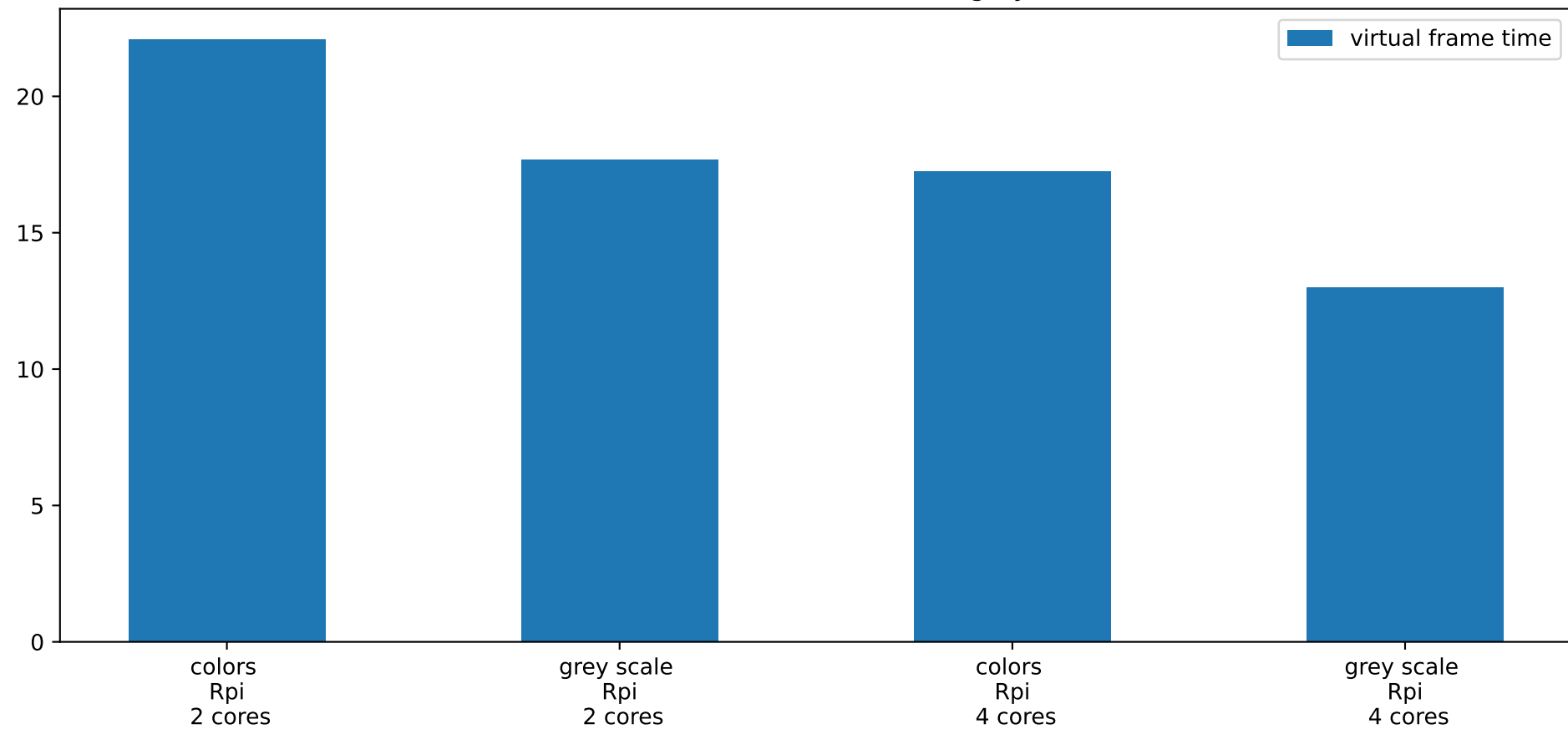
Virtual frame time (total time / frame count) depending on resolution (ms)



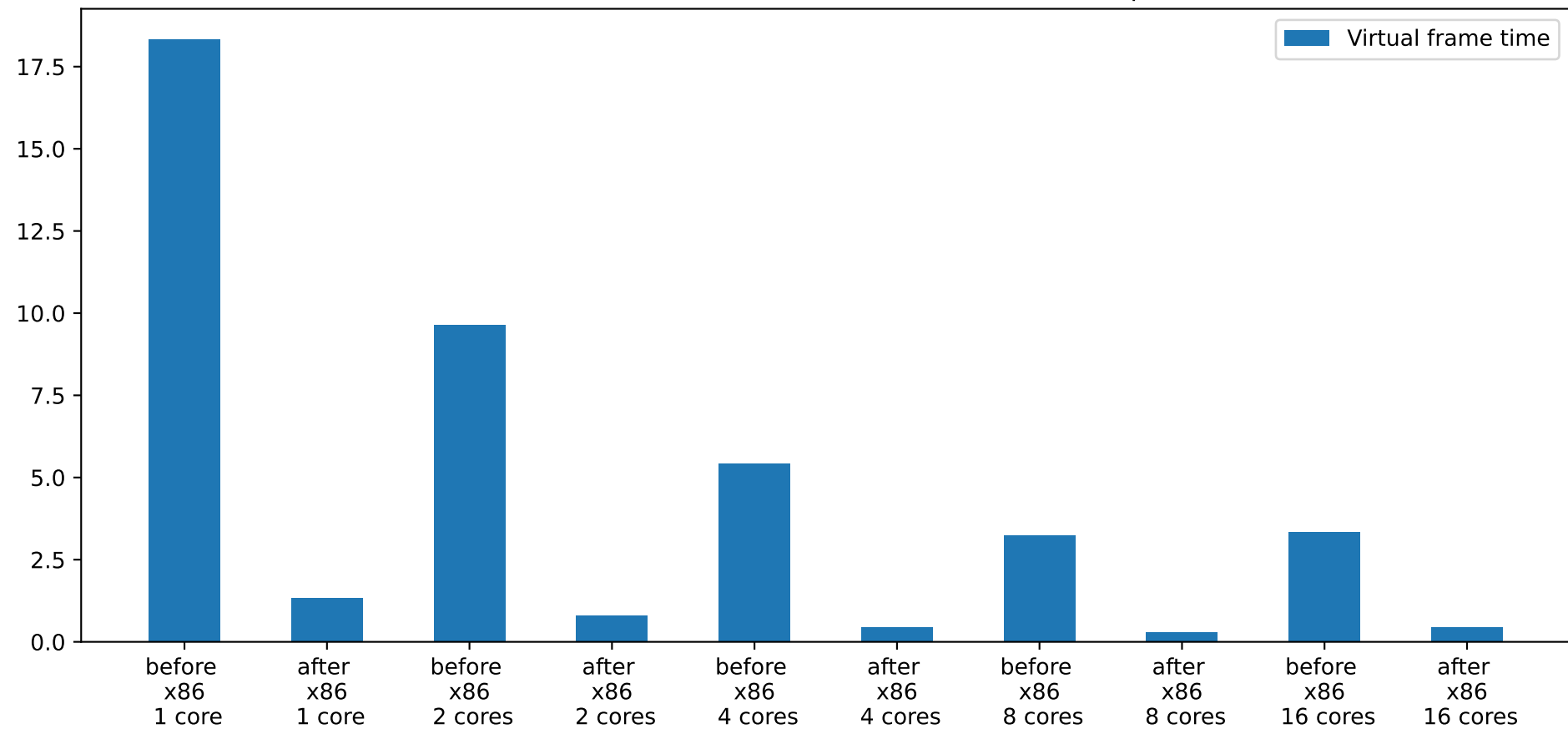
Virtual frame time (total time / frame count) with colored of grey scaled frames accumulator (ms)



Virtual frame time (total time / frame count) with colored of grey scaled frames accumulator (ms)



Virtual frame time (total time / frame count) before and after optimizations (ms)





Virtual frame time (total time / frame count) before and after optimizations (ms)

