

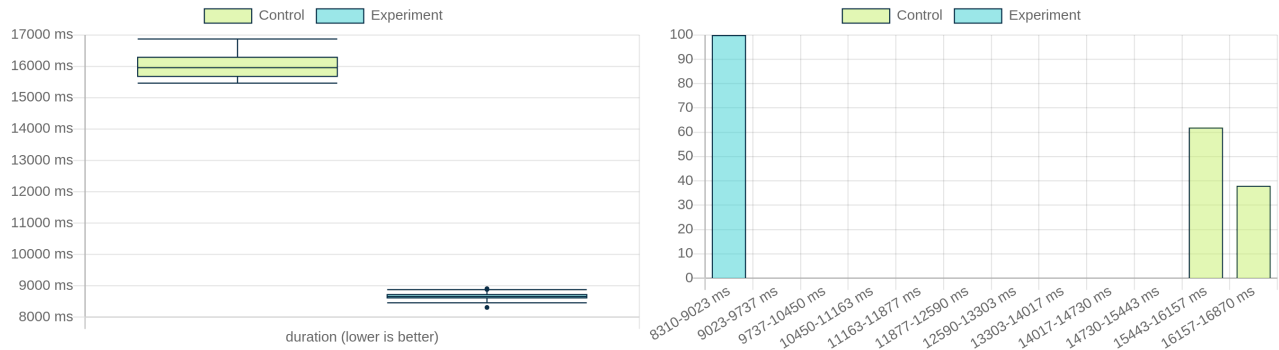
Boxplot & Frequency Results

TracerBench on HeadlessChrome/120.0.6099.109



duration (7297 ms faster)

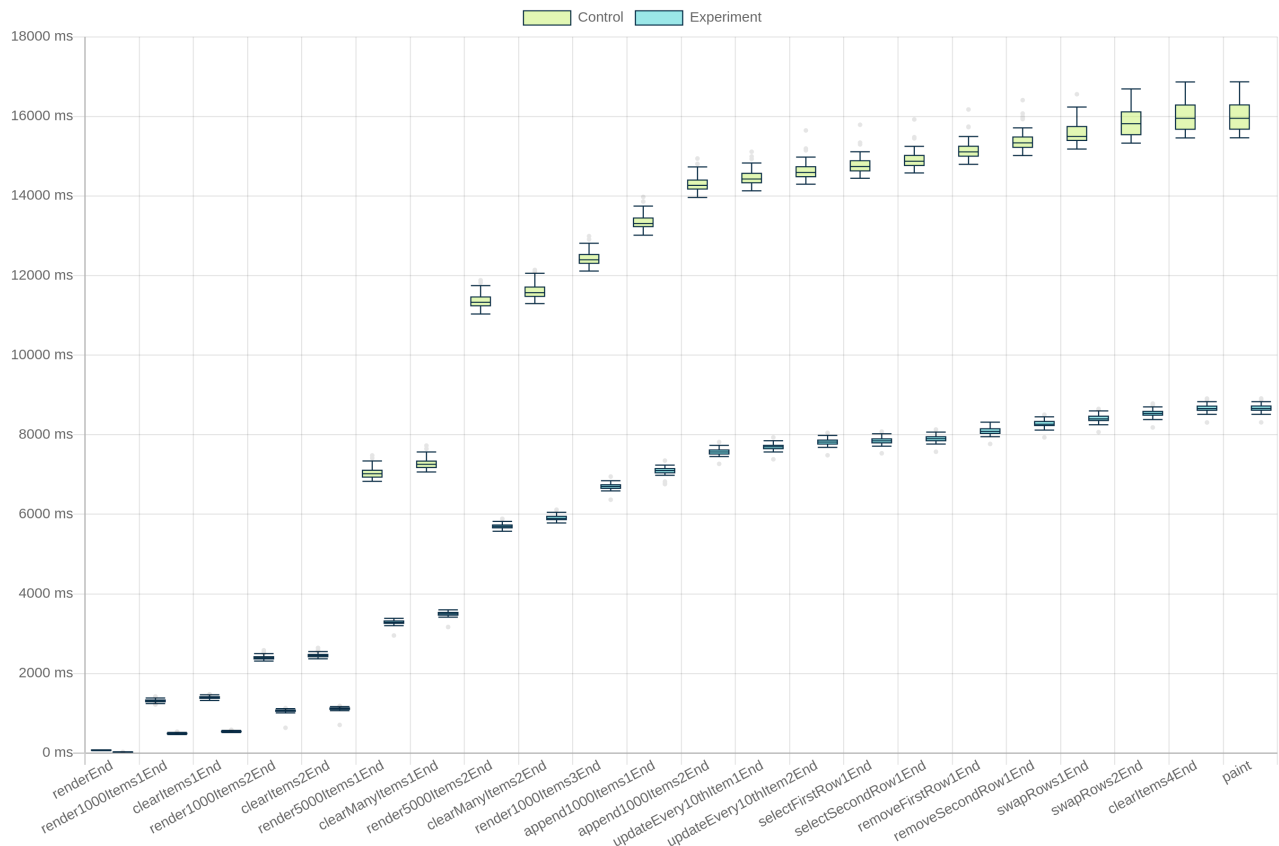
Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **7297 ms**. TracerBench is 95% confident "Experiment" is **faster** between **7173 ms to 7425 ms** based on 100 samples using a (*confidence interval*).



Cumulative sub-phases of duration

The chart below shows the finish times (a point in the page load duration) of the sub-phases for experiment and control. It gives a high level view on what changed (if any).

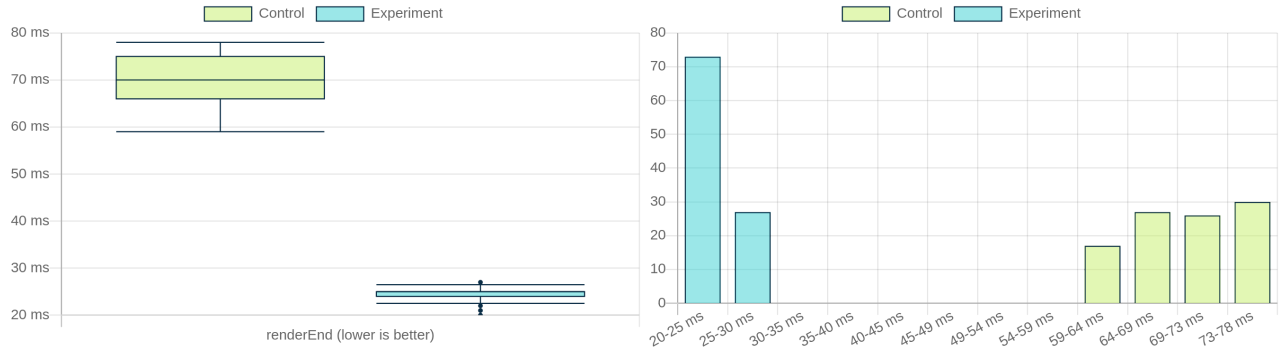
You can view more details about the sub-phases in the section below "Isolated sub-phases of duration".



Isolated sub-phases of duration

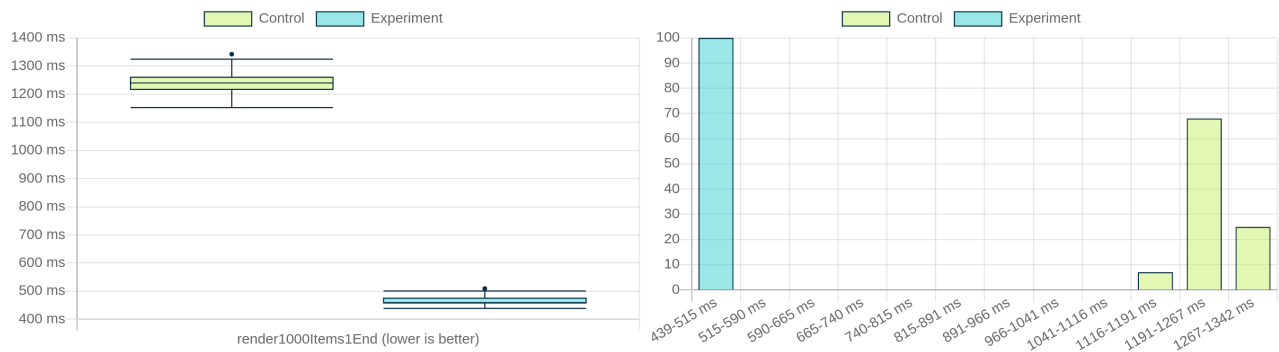
renderEnd (45 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster** by **45 ms**. TracerBench is 95% confident "Experiment" is **faster** between **44 ms to 46 ms** based on 100 samples using a ([confidence interval](#)).



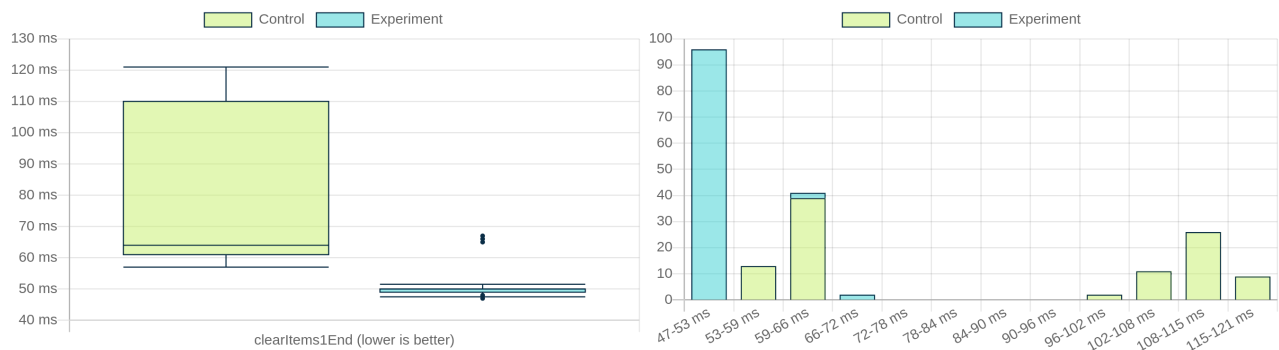
render1000Items1End (776 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster** by **776 ms**. TracerBench is 95% confident "Experiment" is **faster** between **765 ms to 780 ms** based on 100 samples using a ([confidence interval](#)).



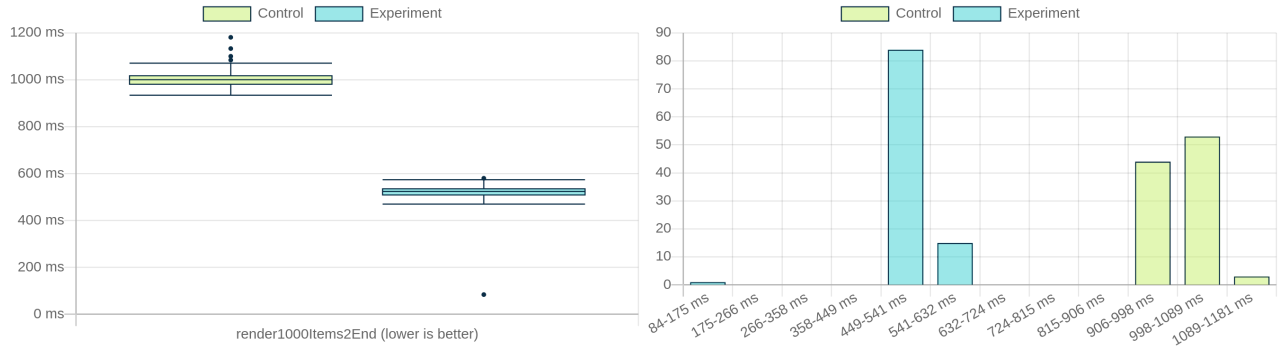
clearItems1End (14 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster** by **14 ms**. TracerBench is 95% confident "Experiment" is **faster** between **13 ms to 57 ms** based on 100 samples using a ([confidence interval](#)).



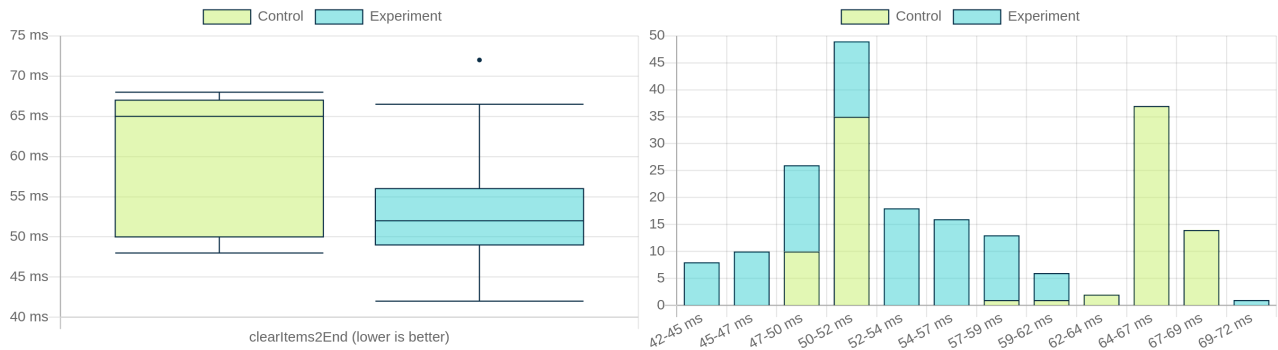
render1000Items2End (474 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster by 474 ms**. TracerBench is 95% confident "Experiment" is **faster between 468 ms to 482 ms** based on 100 samples using a (*confidence interval*).



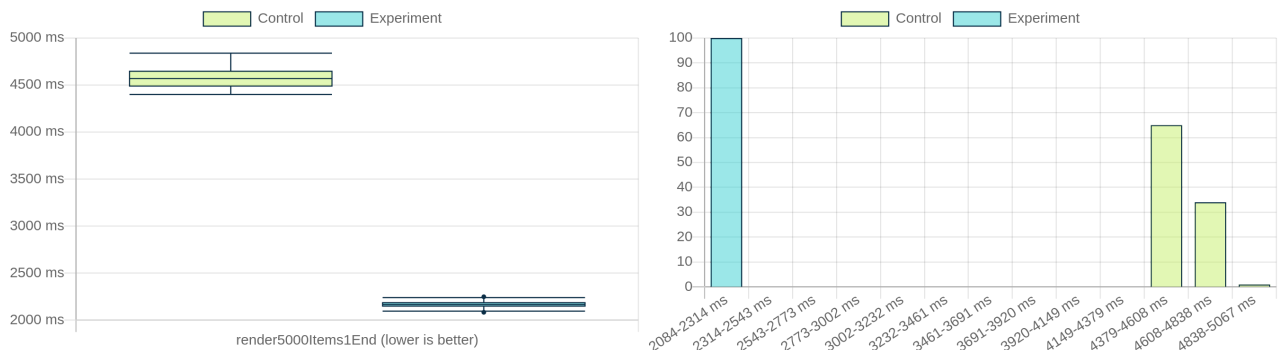
clearItems2End (7 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster by 7 ms**. TracerBench is 95% confident "Experiment" is **faster between 5 ms to 10 ms** based on 100 samples using a (*confidence interval*).



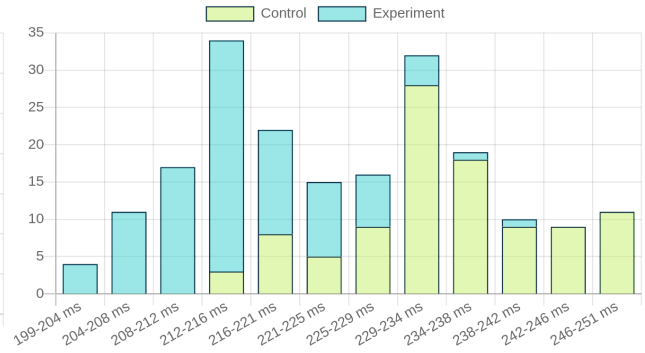
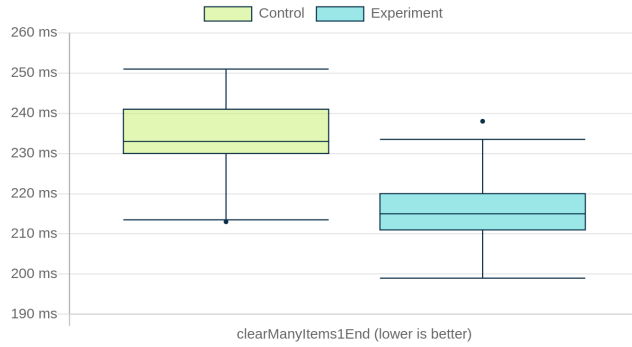
render5000Items1End (2400 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster by 2400 ms**. TracerBench is 95% confident "Experiment" is **faster between 2377 ms to 2422 ms** based on 100 samples using a (*confidence interval*).



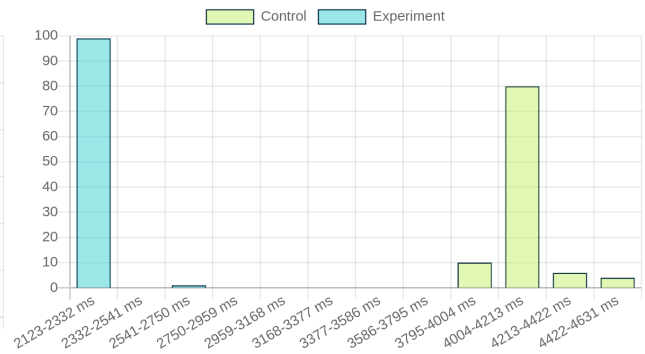
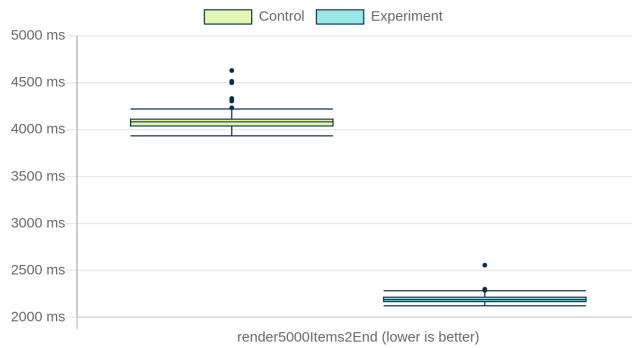
clearManyItems1End (19 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster by 19 ms**. TracerBench is 95% confident "Experiment" is **faster between 17 ms to 21 ms** based on 100 samples using a ([confidence interval](#)).



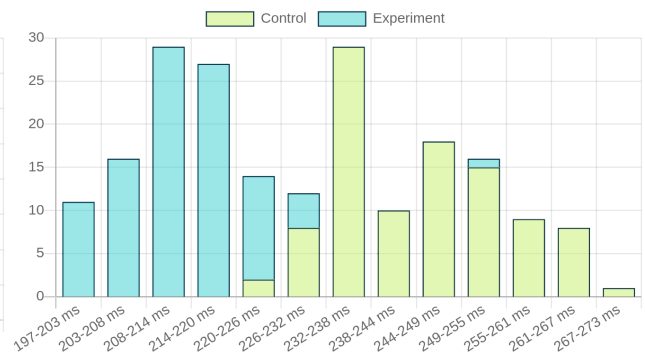
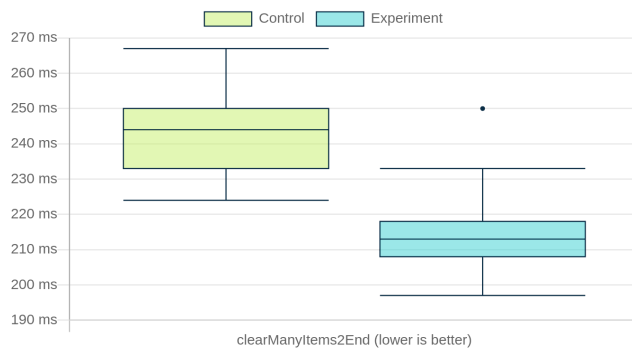
render5000Items2End (1886 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster by 1886 ms**. TracerBench is 95% confident "Experiment" is **faster between 1872 ms to 1901 ms** based on 100 samples using a ([confidence interval](#)).



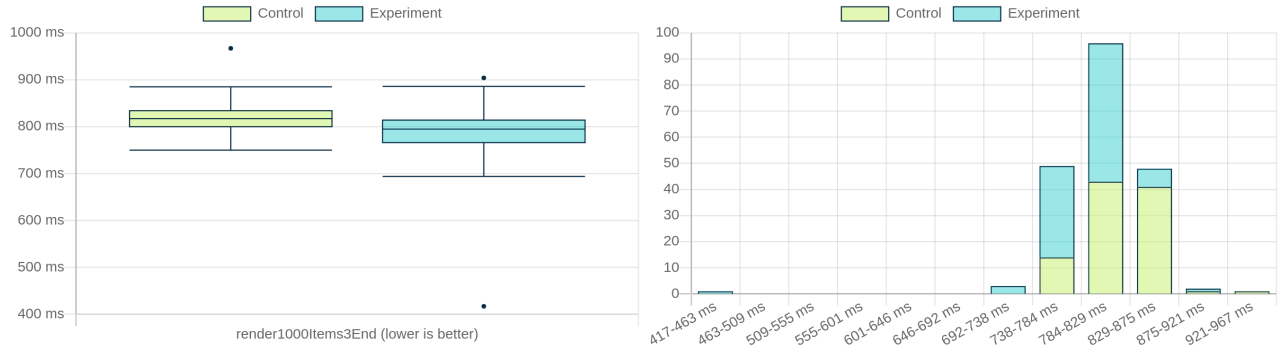
clearManyItems2End (30 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator ([Hodges-Lehmann estimator](#)) was used to determine "Experiment" is **faster by 30 ms**. TracerBench is 95% confident "Experiment" is **faster between 27 ms to 33 ms** based on 100 samples using a ([confidence interval](#)).



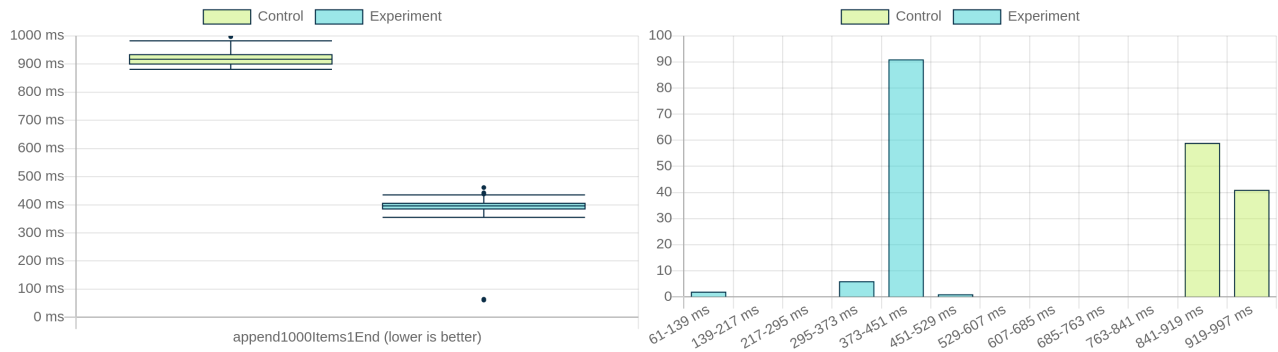
render1000Items3End (26 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **26 ms**. TracerBench is 95% confident "Experiment" is **faster** between **18 ms to 35 ms** based on 100 samples using a (*confidence interval*).



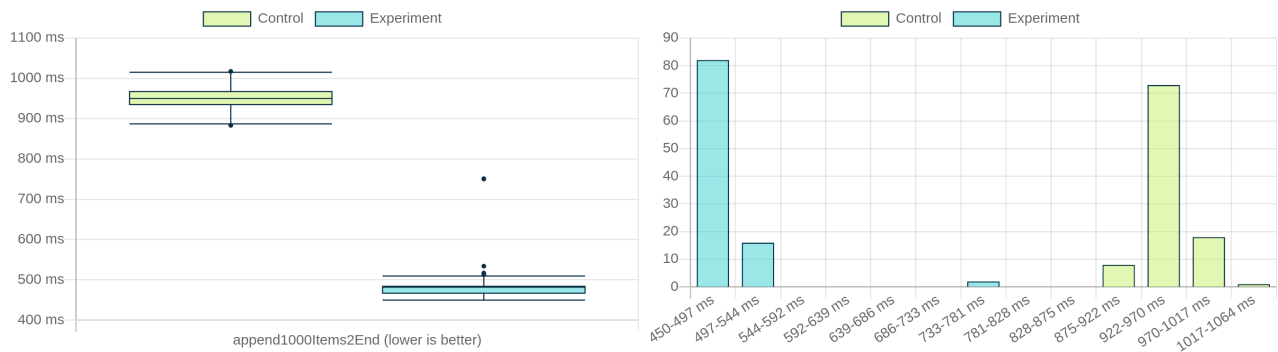
append1000Items1End (524 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **524 ms**. TracerBench is 95% confident "Experiment" is **faster** between **518 ms to 530 ms** based on 100 samples using a (*confidence interval*).



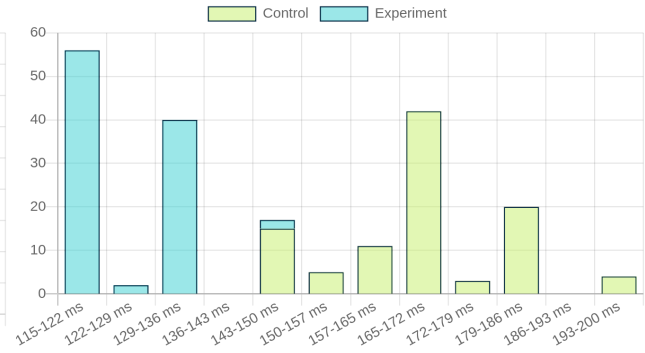
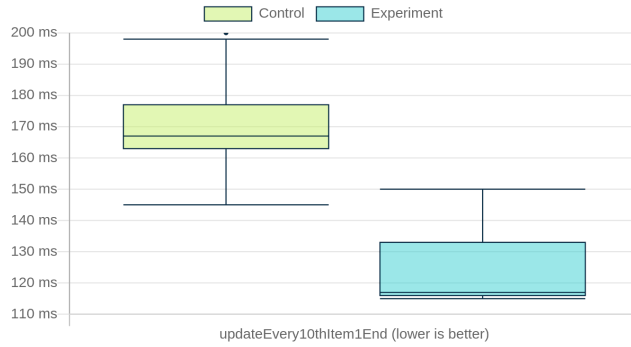
append1000Items2End (470 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **470 ms**. TracerBench is 95% confident "Experiment" is **faster** between **467 ms to 482 ms** based on 100 samples using a (*confidence interval*).



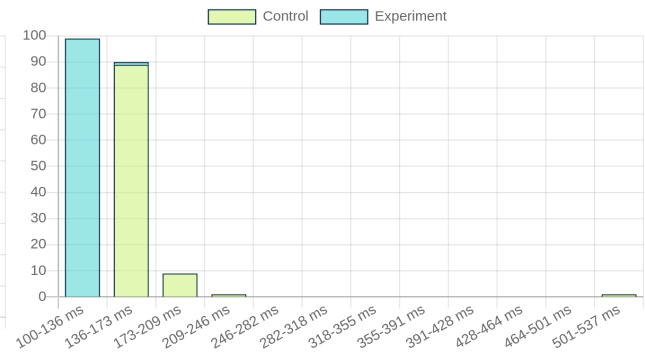
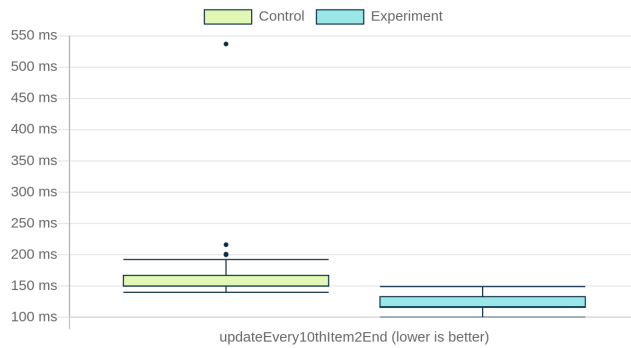
updateEvery10thItem1End (47 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **47 ms**. TracerBench is 95% confident "Experiment" is **faster** between **38 ms to 49 ms** based on 100 samples using a (*confidence interval*).



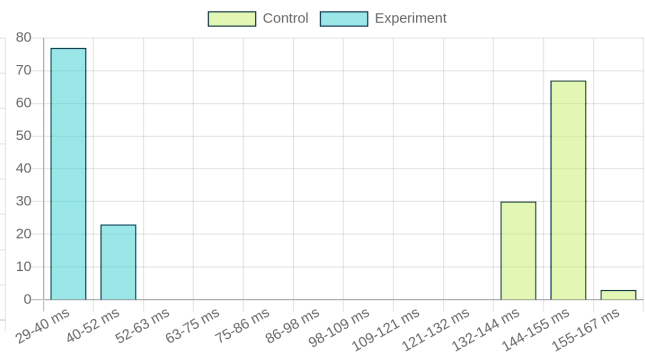
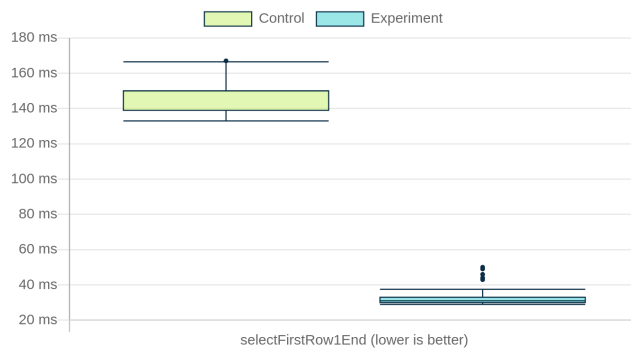
updateEvery10thItem2End (34 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **34 ms**. TracerBench is 95% confident "Experiment" is **faster** between **33 ms to 34 ms** based on 100 samples using a (*confidence interval*).



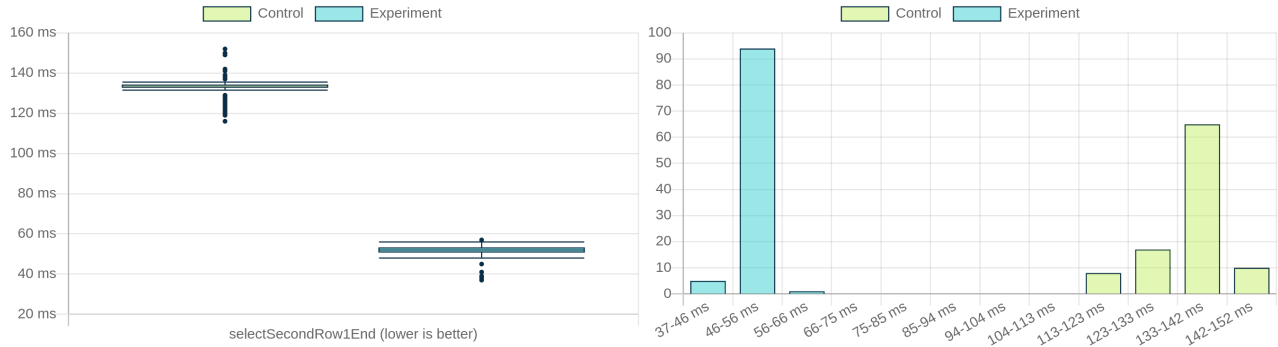
selectFirstRow1End (118 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **118 ms**. TracerBench is 95% confident "Experiment" is **faster** between **108 ms to 118 ms** based on 100 samples using a (*confidence interval*).



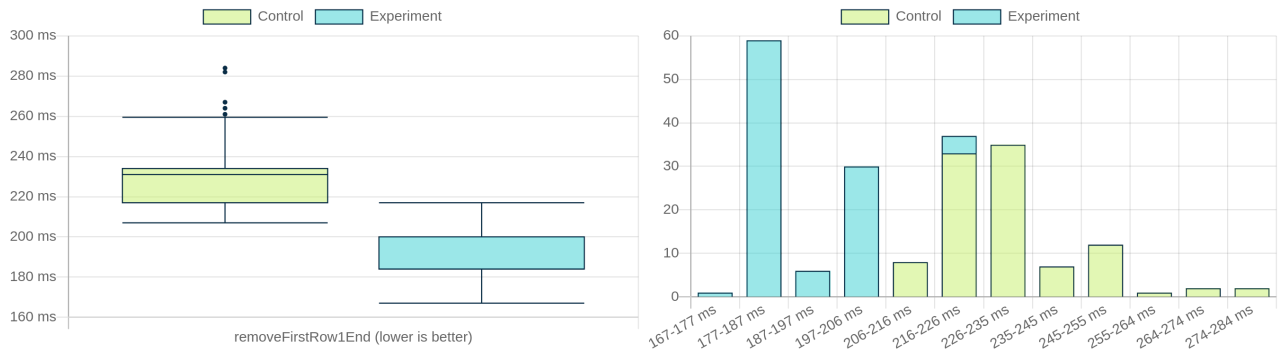
selectSecondRow1End (81 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **81 ms**. TracerBench is 95% confident "Experiment" is **faster** between **81 ms to 82 ms** based on 100 samples using a (*confidence interval*).



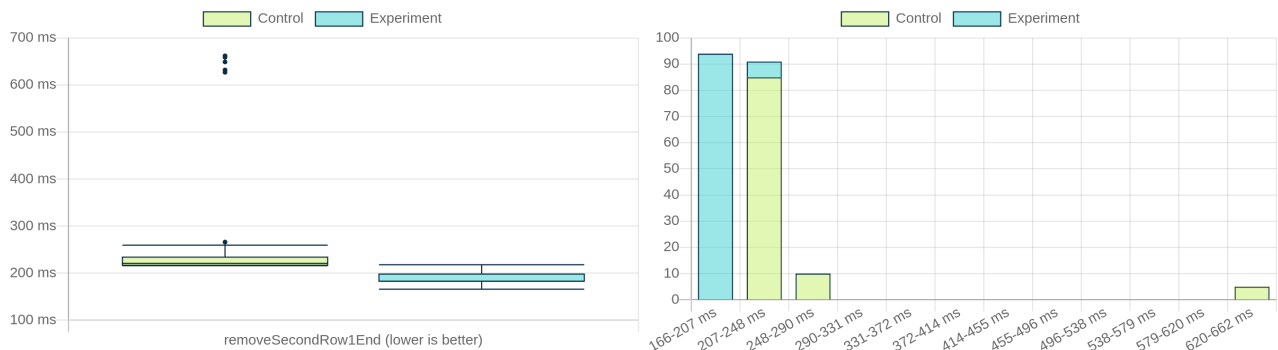
removeFirstRow1End (36 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **36 ms**. TracerBench is 95% confident "Experiment" is **faster** between **33 ms to 44 ms** based on 100 samples using a (*confidence interval*).



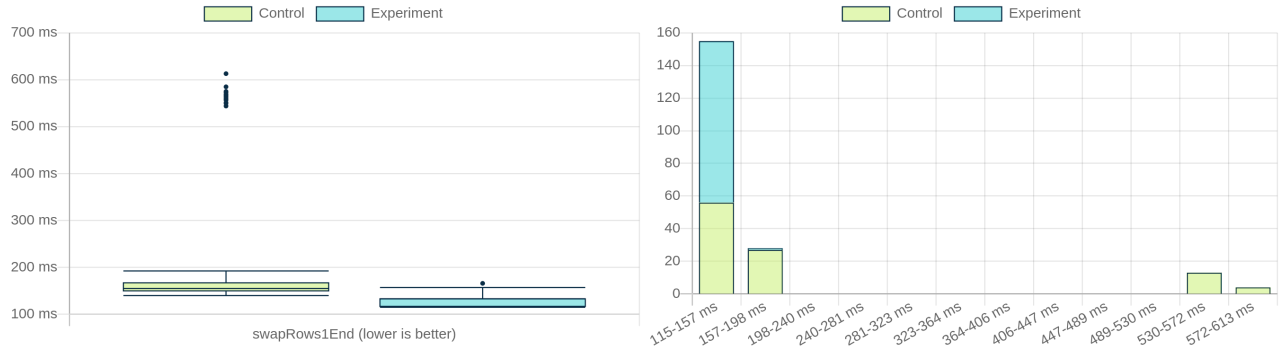
removeSecondRow1End (37 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **37 ms**. TracerBench is 95% confident "Experiment" is **faster** between **35 ms to 46 ms** based on 100 samples using a (*confidence interval*).



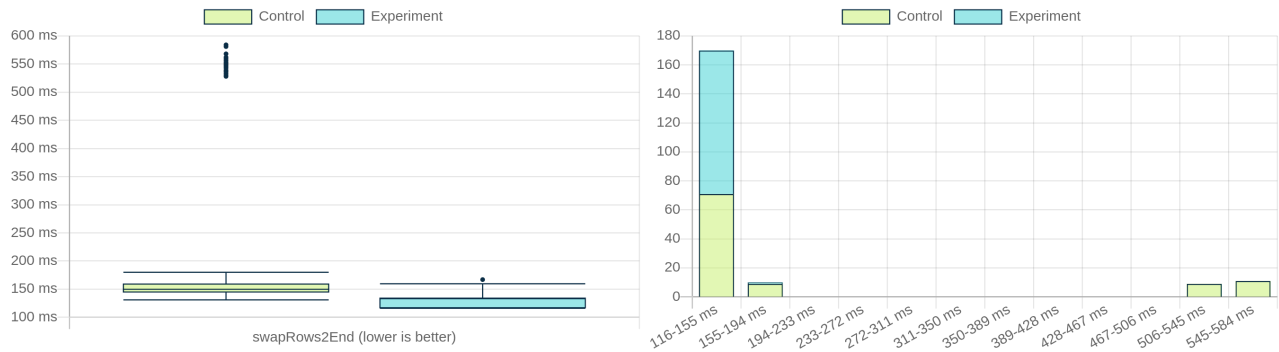
swapRows1End (32 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **32 ms**. TracerBench is 95% confident "Experiment" is **faster** between **26 ms to 33 ms** based on 100 samples using a (*confidence interval*).



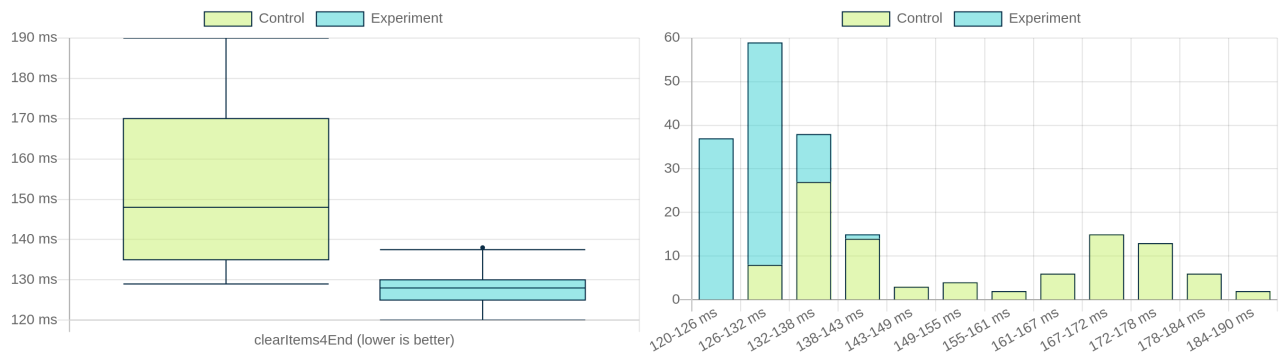
swapRows2End (26 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **26 ms**. TracerBench is 95% confident "Experiment" is **faster** between **17 ms to 32 ms** based on 100 samples using a (*confidence interval*).



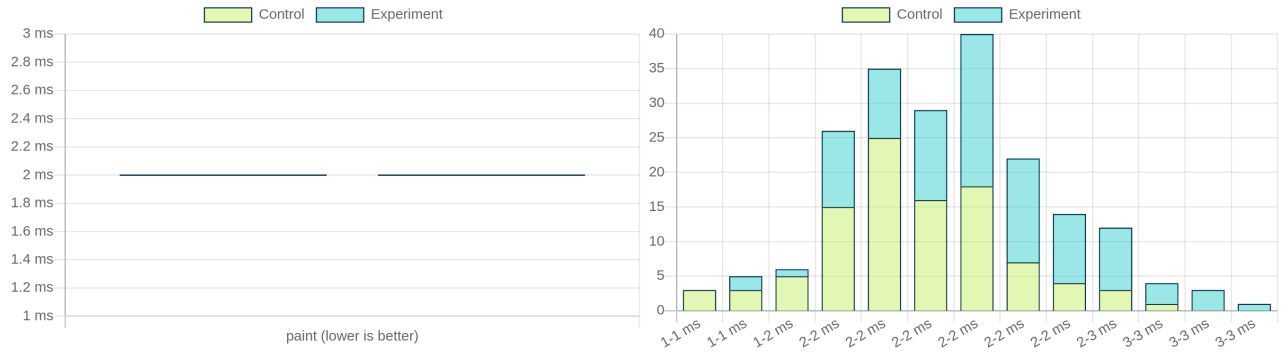
clearItems4End (19 ms faster)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **significant** meaning they are worth looking at. A statistics estimator (*Hodges-Lehmann estimator*) was used to determine "Experiment" is **faster** by **19 ms**. TracerBench is 95% confident "Experiment" is **faster** between **13 ms to 32 ms** based on 100 samples using a (*confidence interval*).



paint (No/Borderline Difference)

Based on the P-value of this benchmark the evidence for a metric shift is **very strong**. TracerBench has determined the results are **not significant**.



Resources

- [Stats Primer](#)
 - [Understanding Boxplots](#)
 - [Wilcoxon Rank-Sum Test](#)
-

Configs Used

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{  
  "tbResultsFolder": "/home/runner/work/glimmer-vm/glimmer-vm/tracerbench-results",  
  "config": "undefined",  
  "isCIEnv": false,  
  "plotTitle": "TracerBench"  
}
```