

Evaluation Results

This pdf contains the generated graphs and tables that were included in **Sections VII** and **VIII** of the paper. The graphs have been extracted and grouped for easy access however if needed can be found in their respective directories below:

Fig. 6: Schedulability Results	fjcolo/eval/all-tiny/graphs/sched-by-count-cdf-all.eps
Fig. 7: Core Comparison for E	all-tiny/graphs/schedulability-cache-reuse-count-all.eps
Fig. 8: Core Comparison for X	???
TABLE II: Mean Base B and Incremental Costs Y	fjcolo/simul/mrtc-base-incr.tex
Fig. 9: Task Analysis ... of Group R (a) FJ-791 F = .95	fjcolo/simul/fjtasks/fjtask-791/graphs/task-791-per-core-composite.ep
Fig. 9: Task Analysis ... of Group R (b) FJ-956 F = .18	fjcolo/simul/fjtasks/fjtask-956/graphs/task-956-per-core-composite.ep
Fig. 9: Task Analysis ... of Group R (c) FJ-484 F = .55	fjcolo/simul/fjtasks/fjtask-484/graphs/task-484-per-core-composite.ep

Furthermore QEMU does not guarantee parallel execution of cores or execution times and is dependent on the user system. Due to this data may vary slightly but will still be within reasonable range of data within the paper.

Benchmark	β	σ_β	γ	σ_γ
bs	88114	23.81	0.02	2.80e-04
bssort100	345407	23.67	0.78	1.11e-04
crc	201046	22.54	0.51	1.54e-04
expinit	79895	22.48	0.04	3.46e-04
fft	182627	22.67	0.07	1.22e-04
insertsort	74629	23.36	0.03	3.47e-04
jfdctint	174059	22.50	0.03	1.20e-04
lcdnum	60307	22.73	0.00	3.90e-04
matmult	487738	23.19	0.82	7.20e-05
minver	51874	20.96	0.00	4.51e-04
ns	88553	23.76	0.25	2.63e-04
nsichneu	1897176	22.78	0.70	1.60e-05
qurt	114521	22.16	0.01	1.96e-04
select	123061	23.62	0.03	2.08e-04
simple	53925	22.70	0.00	3.95e-04
sqrt	72760	24.55	0.01	3.44e-04
statemate	266215	22.09	0.01	7.40e-05
ud	137358	23.51	0.04	1.62e-04

Table 2: MRTC Mean Base β and Incremental Costs γ

