

To test the differences in time between SimpSH, Bash, and Execline, these commands were run on Inxsrv09.seas.ucla.edu.

Each command was averaged 5 times to generate the data in the table.

The two tables detail the averages for user time and for system time.

All children completed in 1.049159 seconds.

1.018214 seconds were spent in user mode.

0.030945 seconds were spent in kernel mode.

The commands for simpsh are in the test.sh file.

The bash and execline are located in the readme.

User Time

Benchmark 1: sort

Benchmark 2: cat multiple times

Benchmark 3: cat, sort, translate, translate

User Time (in seconds)

	SimpSH	Bash	Execline
Benchmark 1	1.018	1.026	1.004
Benchmark 2	0.001	0.005	0.003
Benchmark 3	0.963	1.134	0.970

System Time (in seconds)

	SimpSH	Bash	Execline
Benchmark 1	0.027	0.017	0.013
Benchmark 2	0.133	0.045	0.005
Benchmark 3	0.063	0.092	0.84

Based on the results, they are inconclusive as execline varies between the times. However, Execline seems to be have been timed faster based on a few of the benchmarks. SimpSH performed better than Bash in some cases.