

Benchmark Results

<i>all times in μs</i>		Node.js 12.16		LuaJIT 2.0		LuaJIT -joff		Lua 5.2.4		Lua 5.3.6		Lua 5.4.1	
Benchmark:	<i>n</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>
DeltaBlue	12000	65	0.2	345	1.0	428	1.2	841	2.4	807	2.3	647	1.9
Richards	100	5'746	0.2	34'879	1.0	99'423	2.9	216'537	6.2	184'903	5.3	151'299	4.3
Json	100	5'036	0.8	6'611	1.0	19'822	3.0	44'369	6.7	41'393	6.3	32'835	5.0
Havlak	3	727'663	0.1	7'975'396	1.0	9'606'268	1.2	17'742'578	2.2	16'745'192	2.1	17'119'432	2.1
Bounce	1500	142	0.7	217	1.0	1'358	6.3	4'030	18.6	3'461	15.9	2'408	11.1
List	1500	237	0.4	599	1.0	931	1.6	2'347	3.9	2'074	3.5	1'639	2.7
Mandelbrot	500	14	7.0	2	1.0	1	0.5	3	1.5	4	2.0	2	1.0
NBody	250000	3	0.4	7	1.0	16	2.3	42	6.0	36	5.1	29	4.1
Permute	1000	159	0.5	292	1.0	1'680	5.8	5'904	20.2	4'546	15.6	3'597	12.3
Queens	1000	223	0.8	265	1.0	1'091	4.1	3'363	12.7	3'015	11.4	2'100	7.9
Sieve	3000	104	1.0	103	1.0	490	4.8	1'360	13.2	1'249	12.1	850	8.3
Storage	1000	314	0.1	2'144	1.0	3'328	1.6	7'027	3.3	6'853	3.2	5'876	2.7
Towers	600	299	1.0	299	1.0	2'933	9.8	9'626	32.2	7'571	25.3	5'740	19.2
sum of averages:		740'005	0.1	8'021'159	1.0	9'737'769	1.2	18'038'027	2.2	17'001'104	2.1	17'326'454	2.2
geomean of averages:		335	0.5	674	1.0	1'749	2.6	4'502	6.7	4'108	6.1	3'127	4.6

Benchmarks used from <https://github.com/smarr/are-we-fast-yet> commit 770c664 3.4.2020

NOTE: CD didn't work on any of the Lua VMs, thus left out

NOTE: more than half of the benchmarks didn't work with Lua 5.1 because of missing bit functions, thus left out

Testmachine: HP EliteBook 2530p, Intel Core Duo L9400 1.86GHz, 4GB RAM, Linux i386

All binaries compiled with GCC 4.8.2

LuaJIT params, deviations from default values:

```

maxtrace      100000
maxrecord     40000
maxside       100
maxsnap       1000
sizemcode     64
maxmcode      5120
    
```