

# Benchmark Results

		C99		C++98		LuaJIT 2.0		OBXLJ		Luon		Luon		Luon		OBXMC 21-08-28	
<i>all times in <math>\mu</math>s</i>		gcc -O2		gcc -O2		Lua 5.1		2021-07-11		0.4		0.6		0.7.0		Mono5	
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>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>
DeltaBlue	12000/1	46	0.1	25	0.1	348	1.0	113	0.3			367	1.1	352	1.0	41	0.1
Richards	100/1	1'710	0.04	3'721	0.1	39'705	1.0	22'785	0.6			12'743	0.3	12'803	0.3	7'321	0.2
Json	100/1	1'218	0.2	3'975	0.5	7'859	1.0	162'598	20.7					29'898	3.8	8'948	1.1
Havlak	10/1	641'821	0.1	221'753	0.03	8'185'360	1.0	4'441'696	0.5			4'793'008	0.6	4'841'459	0.6	1'151'781	0.1
CD	250/2	2'014	0.1	1'570	0.1	14'751	1.0	12'122	0.8			9'409	0.6	11'514	0.8	1'949	0.1
Bounce	1500/1	44	0.2	43	0.2	249	1.0	189	0.8	143	0.6	144	0.6	141	0.6	126	0.5
List	1500/1	81	0.1	76	0.1	676	1.0	666	1.0	609	0.9	598	0.9	598	0.9	222	0.3
Mandelbrot	500/1	1	0.5	1	0.5	2	1.0	2	1.0	2	1.0	2	1.0	2	1.0	11	5.5
NBody	250000/1	2	0.3	1	0.1	8	1.0	5	0.6	4	0.5	4	0.5	5	0.6	9	1.1
Permute	1000/1	88	0.3	120	0.4	328	1.0	566	1.7	297	0.9	540	1.6	515	1.6	272	0.8
Queens	1000/1	96	0.3	165	0.6	297	1.0	297	1.0	313	1.1	461	1.6	445	1.5	228	0.8
Sieve	3000/1	28	0.2	30	0.3	119	1.0	93	0.8	705	5.9	719	6.0	241	2.0	99	0.8
Storage	1000/1	1'054	0.5	741	0.3	2'202	1.0	2'214	1.0	2'251	1.0	2'413	1.1	2'553	1.2	384	0.2
Towers	600/1	100	0.3	159	0.5	299	1.0	507	1.7	438	1.5	465	1.6	415	1.4	482	1.6
sum of averages:		648'303		232'380		8'252'203		4'643'853		4'762		4'820'873		4'900'941		1'171'873	
geomean of factors:			0.19		0.19		1.0		1.04		1.09		0.99		1.02		0.51
1/geomean:			5.25		5.15		1.00		0.96		0.92		1.01		0.98		1.98
Build time																	

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

and <https://github.com/rochus-keller/Are-we-fast-yet>

Measurements done between 2021-07-07 and Nov. 2024

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

All binaries compiled with GCC 4.8.2

LuaJIT 2.0.5 params, deviations from default values:

maxtrace 100000

maxrecord 40000

maxside 100

maxsnap 1000

sizemcode 64

maxmcode 5120