Benchmark Results

all times in μs				28 OBXMC 21-08-28 Mono 3 Win		OBXMC 21-08-28 Mono 5 Win		OBXMC 21-08-28 Mono 6 Win		OBXMC 21-08-28 .Net 4.0 Win				OBXMC 21-08-28 CoreCLR 5.0 Win		ObxIDE 0.9.38 C gen, with GC	
Benchmark:	n	average		average	factor	average	factor	average	factor	average	facto		factor	average	factor	average	factor
DeltaBlue	12000/1	32	1.0	58	1.8	59	1.8	58	1.8	•	1.8	U	1.4	•	1.4	518	16.2
Richards	100/1	6'866	1.0	11'406	1.7	10'468	1.5	10'468	1.5	9'217	1.3	8'322	1.2	8'832	1.3	5'310	8.0
Json	100/1	7'679	1.0	12'342	1.6	12'031	1.6	12'187	1.6	8'593	1.1	7'996	1.0	6'833	0.9	11'870	1.5
Havlak	10/1	1'087'598	1.0	1'814'008	1.7	1'584'322	1.5	1'553'074	1.4	1'812'443	1.7	1'659'243	1.5	1'538'682	1.4	2'067'300	1.9
CD	250/2	1'899	1.0	3'249	1.7	2'812	1.5	2'875	1.5	5'062	2.7	2'299	1.2	2'083	1.1	2'312	1.2
Bounce	1500/1	116	1.0	187	1.6	177	1.5	177	1.5	197	1.7	206	1.8	180	1.6	93	8.0
List	1500/1	206	1.0	374	1.8	343	1.7	343	1.7	229	1.1	166	0.8	129	0.6	94	0.5
Mandelbrot	500/1	3	1.0	0	0.1	0	0.1	0	0.1	0	0.1	7	2.3	7	2.3	0	0.1
NBody	250000/1	4	1.0	3	0.8	10	2.5	7	1.8	6	1.5	5	1.3	4	1.0	3	0.8
Permute	1000/1	216	1.0	421	1.9	437	2.0	437	2.0	328	1.5	327	1.5	328	1.5	218	1.0
Queens	1000/1	200	1.0	312	1.6	343	1.7	312	1.6	250	1.3	276	1.4	269	1.3	172	0.9
Sieve	3000/1	86	1.0	156	1.8	171	2.0	166	1.9	156	1.8	63	0.7	62	0.7	41	0.5
Storage	1000/1	404	1.0	624	1.5	593	1.5	578	1.4	499	1.2		1.4	521	1.3	953	2.4
Towers	600/1	519	1.0	729	1.4	755	1.5	703	1.4	781	1.5	780	1.5	758	1.5	390	8.0
sum of averages:		1'105'828		1'843'869		1'612'521		1'581'385		1'837'820		1'680'293		1'558'733		2'089'274	
geomean of factors:			1.0		1.32		1.41		1.35		1.27		1.31		1.22		1.01
1/geomean:					0.76		0.71		0.74		0.78		0.76		0.82		0.99
speedup vs mono3 win:					1.0		1.07		1.02		0.97		0.99		0.92		0.77
1/geomean:							0.94		0.98		1.04		1.01		1.08		1.30
	A	All apps x86!		Mono 3.12.1	_	Mono 5.20.2	L.34	Mono 6.12.0	.107	.NET CLR v	4.0	CoreCLR v3	3.1.18	CoreCLR v5	.0.9 1	MS CL 18.0	/02
Test Machine:					v4.0.30319						x86 runtime x86 runtime				Boem GC 7.2		
Acer Aspire E5-532											3rd run (2nd equal, 3rd run (first similar)						
MS Windows 10.0.17134 x64 Home												first like Mono5)					
CPU Intel Cel	leron N3150	1.6GHz 4 Co	res, 4	4GB DDR3 F	RAM							speed-up Mono 5 to C: 1.39					

Here is the used Oberon+ version of the Are-we-fast-yet benchmark suite: https://github.com/rochus-keller/Oberon/tree/master/testcases/Are-we-fast-yet Here are the used assemblies generated by OBXMC 2021-08-28: http://software.rochus-keller.ch/Are-we-fast-yet_CLI_2021-08-28.zip Here are the used C files generated by ObxIDE Cgen 0.9.38: http://software.rochus-keller.ch/Are-we-fast-yet ObxIDE Cgen 2021-12-30.zip NOTE: Mandelbrot showed Ous on Win in all tests; unknown true value; set to 0.4