

Performance Regressions - Compile Time	Δ	Previous	Current	σ
MultiSource/Benchmarks/VersaBench/beamformer/beamformer	17.75%	0.0721	0.0849	0.0002
MultiSource/Benchmarks/FreeBench/pifft/pifft	5.10%	0.5017	0.5273	0.0014
MultiSource/Benchmarks/TSVC/LinearDependence-flt/LinearDependence-flt	5.08%	0.4091	0.4299	0.0013
MultiSource/Benchmarks/TSVC/LoopRestructuring-flt/LoopRestructuring-flt	4.50%	0.3863	0.4037	0.0005
MultiSource/Benchmarks/TSVC/ControlFlow-flt/ControlFlow-flt	2.62%	0.4427	0.4543	0.0021
SingleSource/Benchmarks/Misc-C++/stepanov_container	1.95%	0.5276	0.5379	0.0021
External/Povray/povray	1.57%	8.9316	9.0716	0.0055
MultiSource/Applications/siod/siod	1.48%	1.2337	1.2519	0.0019
MultiSource/Benchmarks/tramp3d-v4/tramp3d-v4	1.47%	12.1272	12.3051	0.0285
MultiSource/Benchmarks/MallocBench/gs/gs	1.45%	2.5090	2.5454	0.0076
MultiSource/Benchmarks/Bullet/bullet	1.41%	18.5307	18.7916	0.0089
MultiSource/Applications/kimwitu++/kc	1.36%	9.3081	9.4343	0.0122
External/SPEC/CFP2006/447_deall/447_deall	1.26%	76.4554	77.4213	0.0294
External/SPEC/CINT95/099_go/099_go	1.13%	2.7133	2.7440	0.0027
MultiSource/Benchmarks/ASCI_Purple/SMG2000/smg2000	1.11%	3.6443	3.6848	0.0122
External/SPEC/CINT2006/401_bzip2/401_bzip2	1.06%	1.0791	1.0905	0.0013
External/SPEC/CFP2000/188_ammp/188_ammp	1.05%	1.8589	1.8785	0.0049
MultiSource/Applications/hbd/hbd	1.03%	0.9708	0.9808	0.0025

Performance Regressions - Execution Time	Δ	Previous	Current	σ
MultiSource/Benchmarks/McCat/08-main/main	44.40%	0.0277	0.0400	0.0000
MultiSource/Benchmarks/Olden/bh/bh	19.73%	1.1547	1.3825	0.0017
MultiSource/Benchmarks/Bullet/bullet	7.30%	3.6130	3.8767	0.0069
SingleSource/Benchmarks/SmallPT/smallpt	3.15%	5.9102	6.0963	0.0149
MultiSource/Benchmarks/Trimaran/enc-rc4/enc-rc4	2.08%	0.7513	0.7669	0.0042
External/SPEC/CINT2000/164_gzip/164_gzip	1.29%	7.5646	7.6620	0.0035

Performance Improvements - Execution Time	Δ	Previous	Current	σ
SingleSource/Benchmarks/Misc/matmul_f64_4x4	-53.67%	1.4061	0.6515	0.0004
MultiSource/Benchmarks/Olden/power/power	-18.55%	1.2572	1.0240	0.0001
MultiSource/Benchmarks/TSVC/LoopRerolling-flt/LoopRerolling-flt	-14.63%	2.3920	2.0420	0.0016
External/Nurbs/nurbs	-11.36%	2.5693	2.2773	0.0013
SingleSource/Benchmarks/Misc/flops-6	-11.06%	1.1427	1.0163	0.0005
SingleSource/Benchmarks/Misc/flops-4	-10.63%	0.7787	0.6959	0.0276
SingleSource/Benchmarks/Misc/flops-5	-10.31%	1.2776	1.1459	0.0009
MultiSource/Benchmarks/TSVC/LinearDependence-flt/LinearDependence-flt	-8.14%	2.3486	2.1574	0.0008
SingleSource/Benchmarks/Misc/pi	-7.38%	0.6055	0.5608	0.0000

External/SPEC/CINT2000/252_eon/252_eon	-5.84%	0.1936	0.1823	0.0002
External/SPEC/CINT2006/471_omnetpp/471_omnetpp	-5.04%	0.4104	0.3897	0.0020
MultiSource/Applications/SIBsim4/SIBsim4	-4.29%	2.2118	2.1169	0.0245
External/SPEC/CFP2006/444_namd/444_namd	-4.05%	9.6253	9.2352	0.0016
MultiSource/Benchmarks/TSVC/LoopRerolling-dbl/LoopRerolling-dbl	-3.51%	3.1962	3.0840	0.0038
External/SPEC/CFP2000/177_mesa/177_mesa	-3.20%	1.7248	1.6696	0.0004
SingleSource/Benchmarks/Misc-C++/Large/sphereflake	-2.94%	1.8522	1.7977	0.0006
MultiSource/Benchmarks/TSVC/LinearDependence-dbl/LinearDependence-dbl	-2.90%	2.9327	2.8477	0.0043
MultiSource/Benchmarks/VersaBench/beamformer/beamformer	-2.68%	0.8845	0.8608	0.0002
External/SPEC/CFP2006/447_dealII/447_dealII	-2.55%	11.8856	11.5820	0.0064
SingleSource/Benchmarks/CoyoteBench/fftbench	-2.51%	0.7305	0.7122	0.0019
External/SPEC/CFP2000/188_ammp/188_ammp	-2.33%	10.1171	9.8809	0.0183
SingleSource/Benchmarks/Misc/flops	-1.94%	7.1584	7.0198	0.0012
MultiSource/Benchmarks/TSVC/NodeSplitting-dbl/NodeSplitting-dbl	-1.90%	3.1477	3.0879	0.0050
MultiSource/Applications/aha/aha	-1.81%	1.7556	1.7239	0.0064
SingleSource/Benchmarks/Misc/ourafft	-1.64%	3.4633	3.4064	0.0005
MultiSource/Applications/lambda-0_1_3/lambda	-1.39%	3.2270	3.1821	0.0163
External/Povray/povray	-1.37%	2.1319	2.1026	0.0054
MultiSource/Benchmarks/mafft/pairlocalalign	-1.18%	21.3226	21.0709	0.0145