

BLAS Benchmarking for K2H

BLAS configurations:

Storage: column major

Transpose: none

Conjugate: none

Upper/low: low

Side: left

Diagonal: non-unit

gflops					
	BLAS_sgemm_nn_ccc	BLAS_dgemm_nn_ccc	BLAS_cgemm_nn_ccc	BLAS_zgemm_nn_ccc	
1000	75.563	23.821	89.157	15.518	
2000	99.699	26.412	99.052	15.931	
3000	103.068	27.525	101.58	15.757	
4000	107.412	27.716	103.001	15.844	
5000	109.492	24.567	90.599	15.856	
gflops					
	BLAS_chemm_llnn_ccc	BLAS_zhemm_llnn_ccc			
1000	89.215	15.517			
2000	99.215	15.923			
3000	101.868	15.78			
4000	103.121	15.847			
5000	90.627	15.866			
gflops					
	BLAS_cherk_ln_cc	BLAS_zherk_ln_cc			
1000	75.466	12.269			
2000	88.577	13.112			
3000	93.002	13.435			
4000	94.968	13.661			
5000	85.635	13.766			
gflops					
	BLAS_cher2k_lnn_ccc	BLAS_zher2k_lnn_ccc			
1000	76.893	12.325			
2000	89.273	13.173			
3000	92.704	13.435			
4000	94.91	13.666			
5000	85.606	13.769			

gflops				
	BLAS_ssymm_llnn_ccc	BLAS_dsymm_llnn_ccc	BLAS_csymm_llnn_ccc	BLAS_zsymm_llnn_ccc
1000	75.697	23.894	89.356	15.527
2000	100.217	26.391	99.222	15.934
3000	103.202	27.55	101.801	15.786
4000	107.548	27.733	103.103	15.855
5000	109.751	24.607	90.452	15.874

gflops				
	BLAS_ssyrk_ln_cc	BLAS_dsyrk_ln_cc	BLAS_csyrk_ln_cc	BLAS_zsyrk_ln_cc
1000	53.234	19.793	74.482	12.309
2000	80.595	22.923	88.331	13.146
3000	88.394	24.36	92.812	13.441
4000	93.529	25.923	94.654	13.663
5000	99.003	23.218	85.526	13.769

gflops				
	BLAS_ssyr2k_lnn_ccc	BLAS_dsyr2k_lnn_ccc	BLAS_csyr2k_lnn_ccc	BLAS_zsyr2k_lnn_ccc
1000	55.001	20.101	75.985	12.331
2000	81.596	23.129	88.46	13.169
3000	88.607	24.43	92.634	13.439
4000	93.301	25.924	94.784	13.666
5000	98.278	23.217	85.525	13.767

gflops				
	BLAS_strmm_llnn_cc	BLAS_dtrmm_llnn_cc	BLAS_ctrmm_llnn_cc	BLAS_ztrmm_llnn_cc
1000	43.225	15.104	51.734	7.578
2000	65.147	19.725	67.911	9.636
3000	74.706	21.837	75.37	10.414
4000	81.889	22.894	80.356	11.088
5000	85.484	21.177	75.548	11.5

gflops				
	BLAS_strsm_llnn_cc	BLAS_dtrsm_llnn_cc	BLAS_ctrsm_llnn_cc	BLAS_ztrsm_llnn_cc
1000	40.303	17.46	61.006	14.211
2000	59.756	21.712	76.022	15.723
3000	68.795	23.167	82.397	14.711
4000	73.319	23.781	84.985	15.08
5000	76.103	19.566	71.856	15.304









