

Leigh et al Supplementary Table 1

Implementation	Dataset	Operation	Pixeldata time (ms)	Pixeldata time std (ms)	Pixeldata relative performance	Pixeldata size (MiB)	Pixeldata rate (MiB/s)	Pixeldata rate std (MiB/s)	Metadata time (ms)	Metadata time std (ms)	Metadata relative performance	Metadata size (KB/s)	Metadata rate (MiB/s)	Metadata rate std (MiB/s)
C++/Linux	tubhiswt	read	383.5	13.86969434	8.609647979	215	560.6258149	20.27564196	106.5	4.893604849	4.536150235	177	1.623019366	0.074576671
C++/Linux	tubhiswt	write	667.5	52.80301028	9.686441948	215	322.0973783	25.47971712	84	5.0262469	13.6	177	2.057756696	0.123128491
C++/Linux	BBBC	read	4514	122.0181177	23.5322109	3456	765.6180771	20.6954534	1487.5	11.18033989	0.638554622	2368	1.554621849	0.011684841
C++/Linux	BBBC	write	28063	2625.566806	2.603192816	3456	123.1514806	11.52201973	1417.5	38.2340438	1.948994709	2368	1.631393298	0.04400336
C++/Linux	MitoCheck	read	118	6.958523739	10.72288136	122	1033.898305	60.96954153	2460.5	15.03504678	0.412334891	3237	1.28475221	0.007850563
C++/Linux	MitoCheck	write	188	28.20974076	15.22101064	122	648.9361702	97.37404857	2240.5	60.30405415	2.524503459	3237	1.410905071	0.037975138
C++/Windows	tubhiswt	read	743.85	11.01326951	4.438798145	215	289.0367682	4.279410937	176.4	1.846761034	2.738662132	177	0.979884141	0.010258571
C++/Windows	tubhiswt	write	1821.45	16.06721081	3.549754317	215	118.037827	1.041224656	114.05	5.906953975	10.01665936	177	1.51557705	0.078495781
C++/Windows	BBBC	read	11247	153.8940168	9.444687472	3456	307.2819419	4.204574761	2179.35	30.92652583	0.435840962	2368	1.061096198	0.015057709
C++/Windows	BBBC	write	82947.8	614.1518413	0.880715341	3456	41.66475784	0.308489047	1451.8	18.76334613	1.902948064	2368	1.592850255	0.020586307
C++/Windows	MitoCheck	read	199.2	3.381061808	6.351907631	122	612.4497992	10.39523406	3368.1	62.71061356	0.301223242	3237	0.938550759	0.017474865
C++/Windows	MitoCheck	write	125.35	5.460624603	22.82848026	122	973.2748305	42.39879126	2507.05	16.69060561	2.256097804	3237	1.260897394	0.008394384
JACE/Linux	tubhiswt	read	3662.5	119.2465381	0.901515358	215	58.70307167	1.911300497	607.5	9.10465468	0.795226337	177	0.284529321	0.004264265
JACE/Linux	tubhiswt	write	41906	1044.178851	0.154290555	215	5.130530234	0.127838285	1157	16.57518754	0.987381158	177	0.149396338	0.002140253
JACE/Linux	BBBC	read	107371.6667	835.6893362	0.989314996	3456	32.18726231	0.250518155	1063	30.10507913	0.893555974	2368	2.175446849	0.061610536
JACE/Linux	BBBC	write	4262218.333	65908.98282	0.01713976	3456	0.81084537	0.01253854	3349.5	36.19755735	0.824809673	2368	0.690401552	0.007461069
JACE/Linux	MitoCheck	read	1317	17.80005914	0.960744115	122	92.63477601	1.252015559	1231	8.522416262	0.824167344	3237	2.567938922	0.017778265
JACE/Linux	MitoCheck	write	5045	84.75972231	0.567205154	122	24.18235877	0.40628147	8462.5	36.40054945	0.668378139	3237	0.373545975	0.001606769
Java/Linux	tubhiswt	read	3301.8	62.29184284	1	215	65.11599733	1.228480063	483.1	6.56866565	1	177	0.357796652	0.004864928
Java/Linux	tubhiswt	write	6465.7	70.90326991	1	215	33.2523934	0.364647822	1142.4	21.02229393	1	177	0.151305639	0.002784306
Java/Linux	BBBC	read	106224.4	787.8960257	1	3456	32.53489782	0.241320419	949.85	17.39411576	1	2368	2.434594936	0.044583488
Java/Linux	BBBC	write	73053.4	1160.302383	1	3456	47.30785973	0.751387648	2762.7	28.37734456	1	2368	0.837043472	0.008597774
Java/Linux	MitoCheck	read	1265.3	25.51181357	1	122	96.41982139	1.944080066	1014.55	16.33683278	1	3237	3.115797952	0.050172264
Java/Linux	MitoCheck	write	2861.55	25.41337195	1	122	42.63423669	0.378633857	5656.15	81.46699364	1	3237	0.58888419	0.00049754
Java/Windows	tubhiswt	read	4804.6	38.72630005	0.687216418	215	44.74878242	0.360686587	547.7	2.451637476	0.882052218	177	0.31559533	0.001412681
Java/Windows	tubhiswt	write	15550.95	517.3457029	0.415775242	215	13.82552191	0.459944528	1158.75	9.11259721	0.985889968	177	0.149170712	0.001173103
Java/Windows	BBBC	read	159620.05	1850.068519	0.665482814	3456	21.65141535	0.250949689	986.55	8.042485869	0.962799655	2368	2.344027165	0.019108819
Java/Windows	BBBC	write	171631.9	1142.012208	0.425639989	3456	20.13611689	0.133982618	3060.5	25.3988502	0.902695638	2368	0.755595491	0.006270134
Java/Windows	MitoCheck	read	1590.95	12.77116407	0.795310978	122	76.68374242	0.615569726	1167.3	4.780442613	0.869142466	3237	2.708072314	0.011090366
Java/Windows	MitoCheck	write	5940.4	2216.82752	0.481709986	122	20.53733755	7.664085764	6603.95	78.75309518	0.856479834	3237	0.478673038	0.005708248