

impl=	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T	ERMS	NT	T
nthreads=	1			2			4			8			16			24			32			40			48			56					
Operation=1/																																	
Align=0																																	
Size=4096	0.49	2.122	0.388	0.489	2.124	0.387	0.386	2.317	0.296	0.226	2.594	0.179	0.153	2.737	0.11	0.153	2.721	0.126	0.17	2.691	0.139	0.152	2.723	0.125	0.148	2.737	0.116	0.127	2.768	0.103			
Size=8192	0.447	2.155	0.398	0.445	2.157	0.397	0.335	2.366	0.299	0.207	2.608	0.185	0.129	2.755	0.116	0.139	2.725	0.133	0.165	2.685	0.15	0.135	2.736	0.129	0.131	2.751	0.118	0.114	2.784	0.102			
Size=16384	0.448	2.157	0.395	0.413	2.198	0.389	0.325	2.362	0.313	0.196	2.62	0.184	0.138	2.72	0.141	0.228	2.585	0.187	0.203	2.505	0.291	0.226	2.591	0.182	0.216	2.544	0.239	0.22	2.56	0.22			
Size=32768	0.848	1.405	0.747	0.795	1.434	0.77	0.705	1.657	0.639	0.479	2.075	0.445	0.319	2.381	0.3	0.355	2.307	0.339	0.359	2.294	0.347	0.326	2.377	0.297	0.319	2.375	0.306	0.271	2.468	0.261			
Size=65536	0.882	1.353	0.765	0.846	1.38	0.774	0.734	1.617	0.649	0.503	2.06	0.437	0.336	2.365	0.296	0.343	2.331	0.327	0.367	2.272	0.362	0.334	2.346	0.32	0.322	2.365	0.313	0.28	2.442	0.278			
Size=131072	0.943	1.314	0.743	0.884	1.329	0.787	0.749	1.604	0.646	0.511	2.039	0.45	0.333	2.349	0.318	0.364	2.274	0.363	0.368	2.214	0.418	0.346	2.28	0.374	0.326	2.319	0.355	0.28	2.392	0.328			
Size=262144	0.851	1.214	0.934	0.86	1.237	0.903	0.765	1.504	0.731	0.524	1.926	0.549	0.367	2.224	0.409	0.36	2.185	0.455	0.366	2.071	0.564	0.341	2.161	0.498	0.332	2.217	0.451	0.278	2.272	0.449			
Size=524288	0.83	1.095	1.075	0.807	1.123	1.07	0.68	1.387	0.933	0.508	1.798	0.694	0.362	2.175	0.464	0.359	2.145	0.496	0.374	2.055	0.571	0.362	2.122	0.515	0.346	2.165	0.489	0.297	2.247	0.456			
Size=1048576	0.765	0.958	1.277	0.923	1.003	1.074	0.739	1.237	1.025	0.58	1.693	0.727	0.418	2.042	0.54	0.428	2.002	0.57	0.573	1.73	0.697	0.481	1.804	0.715	0.434	1.975	0.591	0.51	1.834	0.656			
Size=2097152	0.696	1.01	1.295	0.811	0.953	1.236	0.924	1.19	0.886	0.542	1.674	0.785	0.51	1.974	0.516	0.466	1.77	0.764	0.839	1.247	0.913	0.751	1.341	0.908	0.598	1.491	0.911	0.862	0.741	1.397			
Size=4194304	1.019	0.926	1.055	0.952	0.906	1.142	0.839	1.12	1.041	0.761	1.317	0.921	0.838	0.93	1.232	0.808	0.952	1.24	0.767	1.035	1.199	0.848	0.874	1.278	0.762	0.778	1.461	0.806	0.822	1.372			
Size=8388608	1.017	0.934	1.049	0.911	0.902	1.187	0.946	1.002	1.053	0.956	0.788	1.256	0.917	0.913	1.17	0.866	0.953	1.181	0.857	0.901	1.242	0.821	0.806	1.372	0.839	0.754	1.407	0.851	0.782	1.368			
Size=16777216	1.055	0.89	1.055	1.059	0.801	1.141	1.149	0.718	1.133	0.915	0.832	1.253	0.766	0.964	1.27	0.866	0.84	1.294	0.905	0.743	1.352	0.866	0.788	1.346	0.831	0.768	1.401	0.853	0.716	1.431			
Size=33554432	1.111	0.696	1.193	1.472	0.466	1.062	1.152	0.657	1.191	1.004	0.774	1.223	0.88	0.828	1.291	0.911	0.81	1.279	0.936	0.819	1.245	0.833	0.822	1.345	0.822	0.766	1.412	0.856	0.72	1.425			
Size=67108864	1.517	0.446	1.037	1.45	0.476	1.073	1.282	0.583	1.135	1.041	0.79	1.169	0.887	0.839	1.274	0.843	0.924	1.233	0.938	0.797	1.266	0.824	0.821	1.355	0.841	0.756	1.403	0.854	0.723	1.423			
Size=134217728	1.489	0.456	1.056	1.48	0.451	1.069	1.277	0.586	1.138	1.07	0.743	1.186	0.903	0.865	1.433	0.881	0.822	1.298	0.939	0.648	1.413	0.857	0.833	1.31	0.833	0.775	1.392	0.853	0.719	1.429			
Size=268435456	1.485	0.452	1.063	1.485	0.452	1.063	1.323	0.57	1.107	1.083	0.666	1.251	0.827	0.853	1.32	0.836	0.787	1.376	0.92	0.747	1.333	0.857	0.792	1.351	0.832	0.747	1.421	0.858	0.723	1.419			
Align=1																																	
Size=4096	0.554	1.981	0.465	0.553	1.982	0.465	0.444	2.183	0.373	0.264	2.512	0.224	0.168	2.69	0.142	0.169	2.682	0.149	0.178	2.697	0.125	0.163	2.698	0.138	0.147	2.719	0.134	0.129	2.758	0.113			
Size=8192	0.523	2.004	0.474	0.521	2.006	0.474	0.405	2.225	0.37	0.253	2.516	0.23	0.153	2.697	0.15	0.162	2.689	0.15	0.165	2.678	0.156	0.156	2.694	0.15	0.133	2.739	0.128	0.121	2.762	0.117			
Size=16384	0.506	2.019	0.475	0.493	2.043	0.464	0.402	2.23	0.368	0.238	2.535	0.227	0.162	2.693	0.146	0.239	2.534	0.228	0.295	2.436	0.269	0.237	2.525	0.235	0.254	2.522	0.223	0.223	2.55	0.226			
Size=32768	0.884	1.371	0.745	0.839	1.412	0.749	0.712	1.643	0.645	0.494	2.067	0.439	0.314	2.378	0.305	0.35	2.329	0.32	0.341	2.309	0.349	0.317	2.355	0.326	0.32	2.381	0.299	0.271	2.461	0.268			
Size=65536	0.955	1.302	0.743	0.862	1.344	0.794	0.757	1.589	0.655	0.512	2.048	0.44	0.343	2.34	0.316	0.361	2.308	0.331	0.366	2.251	0.383	0.345	2.317	0.338	0.323	2.358	0.319	0.274	2.465	0.271			
Size=131072	0.921	1.319	0.76	0.912	1.319	0.769	0.793	1.553	0.654	0.551	1.99	0.459	0.366	2.317	0.317	0.362	2.27	0.368	0.38	2.197	0.422	0.35	2.27	0.38	0.326	2.318	0.355	0.277	2.394	0.329			
Size=262144	0.857	1.143	0.999	0.877	1.204	0.918	0.751	1.441	0.808	0.523	1.903	0.574	0.376	2.212	0.412	0.339	2.18	0.48	0.365	2.068	0.568	0.335	2.167	0.498	0.321	2.207	0.472	0.279	2.277	0.444			
Size=524288	0.846	1.057	1.097	0.775	1.115	1.111	0.714	1.368	0.918	0.5	1.825	0.675	0.404	2.073	0.523	0.381	2.11	0.509	0.383	2.062	0.555	0.37	2.104	0.525	0.347	2.171	0.482	0.301	2.254	0.445			
Size=1048576	1.11	1.022	0.868	0.824	1.053	1.123	0.812	1.275	0.913	0.605	1.71	0.685	0.442	2.021	0.536	0.42	1.95	0.629	0.472	1.689	0.839	0.498	1.844	0.659	0.466	1.909	0.625	0.538	1.804	0.658			
Size=2097152	1.095	0.92	0.986	1.028	0.855	1.117	1.044	1.151	0.805	0.754	1.494	0.753	0.506	1.686	0.808	0.638	1.607	0.755	0.826	1.2	0.974	0.748	1.412	0.84	0.699	1.479	0.823	0.792	0.753	1.454			
Size=4194304	1.078	0.914	1.008	0.986	0.882	1.131	0.905	1.082	1.013	0.707	1.422	0.871	0.974	0.887	1.139	1.001	0.743	1.256	0.918	0.921	1.161	0.775	0.909	1.316	1.136	0.639	1.225	1.016	0.694	1.29			
Size=8388608	1.054	0.888	1.059	0.917	0.921	1.162	0.984	0.942	1.074	1.07	0.922	1.007	0.962	0.867	1.17	0.949	0.89	1.161	0.998	0.893	1.109	0.954	0.766	1.28	1.013	0.699	1.288	1.032	0.715	1.253			
Size=16777216	1.064	0.859	1.077	1.006	0.808	1.185	1.157	0.726	1.117	0.907	0.808	1.285	0.997	0.817	1.186	1.034	0.664	1.302	1.083	0.719	1.197	0.966	0.72	1.314	1.015	0.721	1.263	1.065	0.667	1.269			
Size=33554432	1.142	0.681	1.177	1.448	0.461	1.091	1.187	0.64	1.173	1.049	0.747	1.203	0.982	0.795	1.222	1.018	0.759	1.232	0.996	0.795	1.209	1.001	0.765	1.234	1.007	0.699	1.294	1.071	0.656	1.273			
Size=67108864	1.499	0.452	1.049	1.466	0.467	1.067	1.297	0.555	1.148	1.099	0.748	1.152	1.001	0.779	1.22	0.933	0.855	1.212	0.928	0.754	1.319	1.016	0.754	1.23	1.025	0.695	1.28	1.09	0.642	1.269			
Size=134217728	1.481	0.454	1.065	1.457	0.462	1.08	1.33	0.603	1.066	1.061	0.713	1.226	1.09	0.78	1.13	1.082	0.646	1.271	0.997	0.777	1.227	0.984	0.772	1.244	1.015	0.701	1.284	1.086	0.643	1.271			
Size=268435456	1.479	0.457	1.064	1.519	0.465	1.016	1.326	0.569	1.105	1.14	0.767	1.093	1.047	0.773	1.18	0.9	0.802	1.298	1.004	0.772	1.225	0.992	0.753	1.256	1.004	0.7	1.296	1.066	0.649	1.286			
Align=32																																	
Size=4096	0.49	2.122	0.388	0.488	2.125	0.387	0.377	2.325	0.299	0.225	2.597	0.178	0.15	2.73	0.12	0.155	2.745	0.103	0.14	2.72	0.139	0.1											

[illegible]

Size=16384	0.879	1.452	0.669	0.841	1.478	0.681	0.704	1.728	0.568	0.49	2.14	0.37	0.321	2.417	0.262	0.323	2.393	0.284	0.297	2.368	0.335	0.315	2.403	0.282	0.299	2.429	0.271	0.255	2.512	0.233
Size=32768	0.881	1.356	0.762	0.842	1.351	0.807	0.751	1.588	0.661	0.489	2.073	0.438	0.353	2.321	0.326	0.355	2.331	0.314	0.358	2.297	0.346	0.342	2.342	0.316	0.319	2.382	0.299	0.265	2.485	0.25
Size=65536	0.903	1.33	0.767	0.869	1.354	0.778	0.766	1.592	0.642	0.517	2.04	0.443	0.36	2.322	0.317	0.352	2.292	0.356	0.383	2.248	0.368	0.346	2.319	0.335	0.324	2.379	0.297	0.286	2.436	0.279
Size=131072	0.949	1.275	0.776	0.885	1.276	0.839	0.773	1.572	0.655	0.526	2.019	0.455	0.387	2.275	0.338	0.402	2.219	0.379	0.381	2.195	0.424	0.359	2.261	0.38	0.331	2.305	0.364	0.286	2.382	0.332
Size=262144	0.916	1.171	0.913	0.834	1.167	0.999	0.73	1.432	0.838	0.545	1.879	0.576	0.383	2.186	0.431	0.364	2.174	0.462	0.347	2.081	0.572	0.35	2.134	0.517	0.325	2.21	0.465	0.287	2.259	0.453
Size=524288	0.827	1.068	1.105	0.792	1.086	1.122	0.708	1.352	0.94	0.519	1.787	0.694	0.376	2.143	0.481	0.37	2.094	0.536	0.41	2.003	0.587	0.372	2.1	0.527	0.351	2.15	0.499	0.309	2.236	0.458
Size=1048576	1.073	0.926	1.001	0.82	1.042	1.137	0.761	1.206	1.033	0.594	1.705	0.701	0.428	2.045	0.527	0.422	1.949	0.628	0.531	1.898	0.771	0.507	1.751	0.742	0.468	1.926	0.606	0.502	1.85	0.649
Size=2097152	0.972	1.008	1.02	0.849	0.913	1.238	0.944	1.148	0.909	0.708	1.426	0.866	0.691	1.841	0.468	0.553	1.754	0.694	0.855	1.142	1.003	0.775	1.469	0.756	0.717	1.46	0.823	0.826	0.793	1.381
Size=4194304	1.101	0.828	1.072	1.073	0.864	1.063	0.946	1.051	1.003	0.744	1.336	0.92	0.755	0.911	1.334	0.797	0.991	1.212	0.818	0.993	1.19	0.76	0.896	1.345	0.763	0.759	1.478	0.782	0.736	1.482
Size=8388608	1.081	0.844	1.076	1.085	0.827	1.088	1.091	0.897	1.012	0.822	0.952	1.226	0.885	0.892	1.222	0.817	0.957	1.226	0.881	0.925	1.194	0.784	0.789	1.428	0.788	0.75	1.462	0.842	0.72	1.438
Size=16777216	1.154	0.839	1.006	1.087	0.734	1.179	1.225	0.695	1.08	0.892	0.792	1.316	0.796	0.866	1.338	0.761	0.843	1.397	0.883	0.758	1.359	0.82	0.794	1.385	0.782	0.763	1.455	0.808	0.716	1.475
Size=33554432	1.205	0.65	1.144	1.459	0.483	1.058	1.263	0.537	1.2	1.006	0.731	1.263	0.9	0.851	1.249	0.859	0.829	1.312	0.824	0.826	1.35	0.765	0.838	1.398	0.789	0.754	1.457	0.809	0.727	1.464
Size=67108864	1.53	0.458	1.012	1.511	0.452	1.037	1.314	0.574	1.113	1.059	0.719	1.232	0.85	0.846	1.305	0.772	0.843	1.384	0.856	0.898	1.245	0.803	0.825	1.372	0.797	0.732	1.471	0.814	0.711	1.474
Size=134217728	1.5	0.462	1.038	1.5	0.467	1.033	1.298	0.579	1.123	1.034	0.734	1.223	0.933	0.848	1.219	0.819	0.812	1.37	0.903	0.874	1.223	0.816	0.834	1.35	0.797	0.776	1.427	0.816	0.715	1.469
Size=268435456	1.51	0.448	1.041	1.499	0.458	1.044	1.351	0.532	1.117	1.095	0.683	1.223	0.866	0.779	1.355	0.784	0.798	1.419	0.816	0.872	1.312	0.777	0.832	1.391	0.805	0.721	1.474	0.812	0.721	1.467
Align=4032																														
Size=4096	0.508	2.108	0.384	0.499	2.123	0.378	0.396	2.303	0.301	0.232	2.593	0.175	0.149	2.735	0.116	0.166	2.895	0.139	0.174	2.67	0.157	0.162	2.703	0.135	0.157	2.712	0.131	0.114	2.79	0.095
Size=8192	0.463	2.092	0.445	0.461	2.092	0.447	0.362	2.297	0.341	0.219	2.57	0.212	0.134	2.729	0.137	0.16	2.69	0.15	0.15	2.708	0.142	0.158	2.685	0.157	0.143	2.72	0.137	0.124	2.764	0.113
Size=16384	0.451	2.126	0.423	0.445	2.132	0.423	0.335	2.283	0.381	0.211	2.575	0.215	0.15	2.706	0.144	0.237	2.515	0.245	0.283	2.432	0.285	0.223	2.541	0.237	0.198	2.545	0.257	0.232	2.545	0.223
Size=32768	0.822	1.42	0.759	0.797	1.426	0.777	0.684	1.671	0.646	0.477	2.078	0.445	0.339	2.364	0.297	0.344	2.32	0.336	0.348	2.329	0.323	0.313	2.381	0.306	0.31	2.39	0.3	0.271	2.465	0.265
Size=65536	0.917	1.327	0.756	0.854	1.348	0.798	0.714	1.622	0.664	0.501	2.044	0.455	0.348	2.337	0.315	0.35	2.3	0.35	0.325	2.309	0.366	0.327	2.346	0.327	0.323	2.358	0.319	0.269	2.464	0.267
Size=131072	0.92	1.313	0.767	0.873	1.341	0.785	0.754	1.58	0.666	0.549	1.986	0.465	0.365	2.308	0.327	0.355	2.28	0.365	0.371	2.218	0.411	0.344	2.29	0.366	0.32	2.33	0.35	0.272	2.411	0.317
Size=262144	0.838	1.198	0.964	0.858	1.21	0.932	0.746	1.477	0.777	0.503	1.931	0.566	0.36	2.254	0.386	0.363	2.17	0.466	0.381	2.04	0.579	0.34	2.157	0.503	0.329	2.212	0.46	0.278	2.274	0.448
Size=524288	0.847	1.073	1.08	0.776	1.097	1.127	0.702	1.377	0.921	0.498	1.833	0.669	0.363	2.131	0.506	0.389	2.101	0.511	0.409	2.017	0.574	0.362	2.12	0.518	0.369	2.147	0.484	0.307	2.238	0.456
Size=1048576	0.923	0.842	1.235	0.855	1.045	1.1	0.727	1.252	1.021	0.59	1.643	0.767	0.446	2.053	0.502	0.462	1.925	0.614	0.528	1.798	0.674	0.49	1.925	0.586	0.453	1.98	0.567	0.486	1.878	0.636
Size=2097152	1.069	1.001	0.931	0.833	1.096	1.071	0.67	1.273	1.057	0.481	1.606	0.914	0.618	1.692	0.69	0.67	1.655	0.675	0.811	1.304	0.885	0.672	1.501	0.827	0.638	1.563	0.8	0.732	0.751	1.517
Size=4194304	1.015	0.938	1.047	0.993	0.929	1.077	1.005	0.998	0.996	0.766	1.442	0.792	0.878	0.91	1.212	0.817	0.996	1.188	0.866	1.024	1.11	0.834	0.903	1.262	0.75	0.792	1.459	0.77	0.86	1.37
Size=8388608	1.057	0.904	1.039	1.033	0.912	1.055	1.111	0.972	0.917	0.809	0.842	1.349	0.832	0.913	1.254	0.835	0.945	1.22	0.917	0.92	1.163	0.764	0.77	1.466	0.81	0.766	1.424	0.816	0.735	1.449
Size=16777216	1.056	0.888	1.056	1.119	0.794	1.087	1.254	0.682	1.064	0.936	0.809	1.254	0.791	0.915	1.295	0.789	0.743	1.467	0.895	0.795	1.31	0.821	0.788	1.391	0.793	0.785	1.421	0.823	0.756	1.421
Size=33554432	1.204	0.65	1.146	1.484	0.469	1.047	1.243	0.646	1.111	1.041	0.788	1.17	0.899	0.857	1.244	0.897	0.756	1.348	0.839	0.835	1.326	0.82	0.834	1.346	0.777	0.772	1.451	0.815	0.723	1.462
Size=67108864	1.507	0.456	1.036	1.487	0.474	1.039	1.316	0.574	1.11	1.046	0.711	1.243	0.912	0.789	1.299	0.843	0.851	1.306	0.979	0.711	1.31	0.829	0.836	1.336	0.811	0.75	1.439	0.816	0.722	1.462
Size=134217728	1.488	0.463	1.049	1.486	0.481	1.033	1.302	0.577	1.121	1.029	0.711	1.26	0.804	0.917	1.279	0.892	0.829	1.279	0.816	0.804	1.38	0.817	0.796	1.388	0.8	0.767	1.433	0.822	0.718	1.459
Size=268435456	1.508	0.458	1.034	1.494	0.476	1.03	1.331	0.556	1.113	1.081	0.707	1.211	0.847	0.853	1.301	0.905	0.754	1.341	0.855	0.85	1.294	0.79	0.836	1.373	0.787	0.767	1.446	0.818	0.721	1.461
Align=4033																														
Size=4096	0.95	1.594	0.456	0.943	1.6	0.458	0.793	1.842	0.365	0.499	2.259	0.242	0.328	2.508	0.164	0.338	2.495	0.163	0.267	2.594	0.139	0.302	2.535	0.163	0.299	2.553	0.148	0.276	2.582	0.142
Size=8192	0.917	1.62	0.463	0.897	1.636	0.467	0.746	1.865	0.389	0.482	2.261	0.247	0.329	2.498	0.173	0.339	2.499	0.161	0.375	2.482	0.143	0.328	2.494	0.178	0.311	2.532	0.157	0.272	2.586	0.142
Size=16384	0.949	1.595	0.457	0.913	1.635	0.452	0.735	1.889	0.376	0.485	2.266	0.248	0.325	2.485	0.187	0.338	2.417	0.245	0.371	2.347	0.283	0.334	2.414	0.252	0.307	2.451	0.242	0.275	2.5	0.225
Size=32768	0.902	1.353	0.745	0.831	1.389	0.779	0.725	1.622	0.653	0.493	2.071	0.436	0.352	2.344	0.304	0.385	2.268	0.347	0.294	2.338	0.368	0.348	2.337	0.315	0.329	2.362	0.308	0.29	2.445	0.265
Size=65536	0.908	1.324	0.768	0.893	1.338	0.768	0.783	1.572	0.646	0.525	2.031	0.444	0.371	2.322	0.307	0.377	2.278	0.345	0.378	2.26	0.362	0.347	2.338	0.317	0.332	2.358	0.311	0.288	2.436	0.276
Size=131072	0.956	1.274	0.769	0.908	1.334	0.758	0.779	1.57	0.651	0.553	1.984	0.463	0.384	2.306	0.31	0.37	2.258	0.372	0.393	2.204	0.403	0.347	2.288	0.364	0.342	2.309	0.348	0.291	2.37	0.339
Size=262144	0.917	1.13	0.953	0.856	1.183	0.961	0.783	1.445	0.772	0.544	1.908	0.548	0.376	2.21																