

	base_line		
	pro	sr	maxdd
ubah	79.34	0.5208	0.2044
best	128.94	0.3722	0.6045
ucrp(rbh)	90.73	0.607	0.1893
bcrp	133.3	0.4775	0.4892
up	91.08	0.6097	0.1892
eg	90.18	0.6028	0.1903
ons	150.76	0.9806	0.1434
anticor	87.85	0.4396	0.3699
anticor_anticor	91.17	0.4065	0.4253
pamr	58.1	0.1904	0.4094
pamr_1	63.86	0.2182	0.4018
pamr_2	63.52	0.2182	0.3945
cwmr_var	55.39	0.1776	0.4086
cwmr_stedv	55.4	0.1776	0.4085
olmar1	213.08	0.7268	0.3613
olmar2	232.88	0.7772	0.3408
bk	37	0.1005	0.44
bnn	83.53	0.3539	0.4352
corn	123.61	0.4547	0.444
cornu	107.46	0.4751	0.4183
cornk	105.41	0.4752	0.3842

	pro	sr	maxdd
mem10240	+	+	+
mem10240_nb80	+	+	-
ed32	+	+	-
ed8	-	+	+
mem4096_exp512	+	+	+
ws32	+	+	+
mem10240_nb32	+	+	+
mem20480	+	+	+
ed32	+	+	+
mem10240 ws32	+	+	-
ws32 mem10240 ed32	+	+	+

dirich\_spmv\_ws68\_gr10\_sec10\_pa1\_g011\_dr02\_mem2048\_exp256\_ed16\_wb16

	pro	sr	maxdd	pro	sr	maxdd
1	32.81	0.351	39.54	90.73	0.875	18.93
2	135.83	0.884	28.01	90.73	0.875	18.93
3	48.10	0.462	34.36	90.73	0.875	18.93
4	73.69	0.612	25.67	90.73	0.875	18.93
5	94.50	0.746	27.80	90.73	0.875	18.93
6	188.61	1.097	29.60	90.73	0.875	18.93
7	59.64	0.522	45.62	90.73	0.875	18.93
8	120.99	0.744	36.66	90.73	0.875	18.93
9	139.15	0.837	25.71	90.73	0.875	18.93
10	69.19	0.580	43.38	90.73	0.875	18.93
avg	96.25	0.684	33.64	90.73	0.875	18.93
std	48.85	0.222	7.39	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_pa1\_g011\_dr02\_mem10240\_exp256\_ed16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	99.68	0.790	21.57	90.73	0.875	18.93
2	231.78	1.372	20.12	90.73	0.875	18.93
3	73.32	0.642	24.47	90.73	0.875	18.93

4	139.53	0.966	21.77	90.73	0.875	18.93
5	84.45	0.720	21.85	90.73	0.875	18.93
6	189.50	1.174	25.03	90.73	0.875	18.93
7	218.48	1.241	20.45	90.73	0.875	18.93
8	120.68	0.855	28.38	90.73	0.875	18.93
9	124.09	0.888	21.09	90.73	0.875	18.93
10	122.09	0.911	22.91	90.73	0.875	18.93
avg	140.36	0.956	22.76	90.73	0.875	18.93
std	54.91	0.236	2.54	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem10240\_exp256\_ed16\_nb16\_nb80

	pro	sr	maxdd	pro	sr	maxdd
1	123.91	0.829	38.06	90.73	0.875	18.93
2	151.90	1.037	34.73	90.73	0.875	18.93
3	117.56	0.816	40.64	90.73	0.875	18.93
4	51.04	0.487	43.61	90.73	0.875	18.93
5	34.47	0.376	43.49	90.73	0.875	18.93
6	195.08	1.111	30.11	90.73	0.875	18.93
7	174.04	1.013	24.56	90.73	0.875	18.93
8	77.91	0.616	51.25	90.73	0.875	18.93
9	77.31	0.644	28.68	90.73	0.875	18.93
10	40.69	0.415	49.95	90.73	0.875	18.93
avg	104.39	0.734	38.51	90.73	0.875	18.93
std	56.88	0.267	8.97	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem2048\_exp256\_ed32\_nb16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	107.82	0.778	24.30	90.73	0.875	18.93
2	57.91	0.502	48.15	90.73	0.875	18.93
3	232.63	1.174	27.95	90.73	0.875	18.93
4	85.40	0.636	45.49	90.73	0.875	18.93
5	109.54	0.740	43.86	90.73	0.875	18.93
6	124.15	0.768	40.92	90.73	0.875	18.93
7	123.01	0.779	35.99	90.73	0.875	18.93
8	165.16	0.970	28.52	90.73	0.875	18.93
9	93.52	0.688	34.54	90.73	0.875	18.93
10	153.44	0.859	32.15	90.73	0.875	18.93
avg	125.26	0.789	36.19	90.73	0.875	18.93
std	48.99	0.184	8.15	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem2048\_exp256\_ed8\_nb16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	115.11	0.896	24.41	90.73	0.875	18.93
2	27.76	0.350	30.33	90.73	0.875	18.93
3	106.57	0.819	20.90	90.73	0.875	18.93
4	109.05	0.818	24.11	90.73	0.875	18.93
5	111.57	0.860	23.47	90.73	0.875	18.93
6	82.99	0.695	28.48	90.73	0.875	18.93
7	80.13	0.657	31.62	90.73	0.875	18.93
8	33.64	0.391	31.22	90.73	0.875	18.93
9	110.52	0.910	14.85	90.73	0.875	18.93
10	93.79	0.803	21.35	90.73	0.875	18.93
avg	87.11	0.720	25.07	90.73	0.875	18.93
std	32.11	0.201	5.37	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem4096\_exp512\_ed16\_nb16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	100.12	0.707	37.24	90.73	0.875	18.93

2	30.59	0.499	50.46	90.73	0.875	18.93
3	62.70	0.570	24.96	90.73	0.875	18.93
4	123.10	0.863	24.66	90.73	0.875	18.93
5	93.61	0.720	22.66	90.73	0.875	18.93
6	134.72	0.916	24.63	90.73	0.875	18.93
7	113.27	0.724	37.03	90.73	0.875	18.93
8	213.69	1.190	25.38	90.73	0.875	18.93
9	205.26	1.133	21.12	90.73	0.875	18.93
10	35.29	0.366	48.63	90.73	0.875	18.93
avg	111.24	0.769	31.68	90.73	0.875	18.93
std	62.45	0.263	10.94	0.00	0.000	0.00

dirich\_spmv\_ws32\_gr10\_sec10\_g011\_dr02\_mem2048\_exp256\_ed16\_nb16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	186.08	1.170	17.08	90.73	0.875	18.93
2	151.66	0.996	24.72	90.73	0.875	18.93
3	149.57	1.023	18.55	90.73	0.875	18.93
4	91.00	0.756	23.23	90.73	0.875	18.93
5	84.34	0.644	36.16	90.73	0.875	18.93
6	86.32	0.748	17.93	90.73	0.875	18.93
7	74.42	0.674	17.35	90.73	0.875	18.93
8	138.07	0.963	25.70	90.73	0.875	18.93
9	70.45	0.634	23.07	90.73	0.875	18.93
10	164.48	1.085	20.02	90.73	0.875	18.93
avg	119.64	0.869	22.38	90.73	0.875	18.93
std	42.59	0.199	5.78	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem10240\_exp256\_ed16\_nb32

	pro	sr	maxdd	pro	sr	maxdd
1	111.50	0.811	34.61	90.73	0.875	18.93
2	185.04	1.080	24.37	90.73	0.875	18.93
3	134.92	0.893	23.72	90.73	0.875	18.93
4	114.67	0.796	38.92	90.73	0.875	18.93
5	149.27	0.881	25.55	90.73	0.875	18.93
6	122.95	0.881	21.71	90.73	0.875	18.93
7	99.46	0.708	37.41	90.73	0.875	18.93
8	209.03	1.122	18.98	90.73	0.875	18.93
9	111.94	0.801	19.36	90.73	0.875	18.93
10	100.01	0.713	28.89	90.73	0.875	18.93
avg	133.88	0.869	27.35	90.73	0.875	18.93
std	36.98	0.139	7.31	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem20480\_exp256\_ed16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	106.89	0.739	35.23	90.73	0.875	18.93
2	108.61	0.844	20.84	90.73	0.875	18.93
3	137.06	0.948	18.66	90.73	0.875	18.93
4	86.48	0.691	31.55	90.73	0.875	18.93
5	88.17	0.690	29.73	90.73	0.875	18.93
6	187.29	1.092	24.00	90.73	0.875	18.93
7	60.64	0.563	30.03	90.73	0.875	18.93
8	147.83	1.013	23.16	90.73	0.875	18.93
9	61.69	0.562	25.78	90.73	0.875	18.93
10	91.37	0.754	23.62	90.73	0.875	18.93
avg	107.60	0.790	26.26	90.73	0.875	18.93
std	39.77	0.181	5.20	0.00	0.000	0.00

dirich\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem10240\_exp256\_ed32\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	157.65	1.040	16.99	90.73	0.875	18.93
2	125.24	0.879	19.53	90.73	0.875	18.93
3	113.40	0.833	22.00	90.73	0.875	18.93
4	84.06	0.708	20.77	90.73	0.875	18.93
5	53.86	0.544	27.08	90.73	0.875	18.93
6	28.30	0.347	26.47	90.73	0.875	18.93
7	103.62	0.773	19.24	90.73	0.875	18.93
8	99.06	0.801	29.58	90.73	0.875	18.93
9	76.94	0.658	23.64	90.73	0.875	18.93
10	127.87	0.906	28.40	90.73	0.875	18.93
avg	97.00	0.749	23.37	90.73	0.875	18.93
std	37.85	0.197	4.33	0.00	0.000	0.00

dirich\_spmv\_ws32\_gr10\_sec10\_g011\_dr02\_mem10240\_exp256\_ed16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	216.57	1.083	41.07	90.73	0.875	18.93
2	185.97	1.022	30.12	90.73	0.875	18.93
3	116.45	0.797	38.78	90.73	0.875	18.93
4	193.27	1.018	38.24	90.73	0.875	18.93
5	105.93	0.731	42.34	90.73	0.875	18.93
6	155.56	0.946	33.14	90.73	0.875	18.93
7	265.48	1.207	32.85	90.73	0.875	18.93
8	21.00	0.281	36.41	90.73	0.875	18.93
9	149.96	0.893	37.48	90.73	0.875	18.93
10	76.81	0.596	37.32	90.73	0.875	18.93
avg	148.70	0.857	36.78	90.73	0.875	18.93
std	71.50	0.270	3.79	0.00	0.000	0.00

dirich\_spmv\_ws32\_gr10\_sec10\_g011\_dr02\_mem10240\_exp256\_ed32\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	113.24	0.735	32.94	90.73	0.875	18.93
2	166.82	0.957	21.17	90.73	0.875	18.93
3	197.81	1.089	23.48	90.73	0.875	18.93
4	104.44	0.675	34.60	90.73	0.875	18.93
5	59.83	0.496	37.69	90.73	0.875	18.93
6	88.00	0.664	30.47	90.73	0.875	18.93
7	131.20	0.858	25.47	90.73	0.875	18.93
8	76.24	0.603	27.44	90.73	0.875	18.93
9	71.91	0.623	32.62	90.73	0.875	18.93
10	217.41	1.124	28.22	90.73	0.875	18.93
avg	122.69	0.782	29.41	90.73	0.875	18.93
std	54.72	0.215	5.20	0.00	0.000	0.00

addnorm\_spmv\_ws68\_gr10\_sec10\_g011\_dr02\_mem2048\_exp256\_ed16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	70.14	0.650	24.89	90.73	0.875	18.93
2	130.39	0.940	26.26	90.73	0.875	18.93
3	60.61	0.620	32.27	90.73	0.875	18.93
4	92.84	0.790	28.53	90.73	0.875	18.93
5	139.60	1.010	17.19	90.73	0.875	18.93
6	88.35	0.790	19.07	90.73	0.875	18.93
7	180.78	1.150	26.41	90.73	0.875	18.93
8	151.41	1.090	17.92	90.73	0.875	18.93
9	115.85	0.900	23.77	90.73	0.875	18.93
10	168.33	1.100	22.12	90.73	0.875	18.93
avg	119.83	0.904	23.84	90.73	0.875	18.93
std	41.20	0.19	4.85	0.00	0.000	0.00

addnorm\_spmv\_ws36\_gr10\_sec10\_g01d5\_dr02\_mem10240\_exp256\_ed16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	185.07	0.99	28.35	90.73	0.875	18.93
2	112.06	0.8	24.29	90.73	0.875	18.93
3	175.95	1.08	31.1	90.73	0.875	18.93
4	199.01	1.15	22.27	90.73	0.875	18.93
5	182.56	1.03	24.54	90.73	0.875	18.93
6	207.16	1.12	30.46	90.73	0.875	18.93
7	100.35	0.74	21.77	90.73	0.875	18.93
8	208.01	1.11	23.98	90.73	0.875	18.93
9	103.93	0.77	24.1	90.73	0.875	18.93
10	143.27	0.95	23.99	90.73	0.875	18.93
avg	161.74	0.97	25.485	90.73	0.875	18.93
std	43.07	0.15	3.29	0.00	0.000	0.00

addnorm\_spmv\_ws36\_gr10\_sec10\_g01d5\_dr02\_mem10240\_exp512\_ed16\_nb16

	pro	sr	maxdd	pro	sr	maxdd
1	68.01	0.574	21.04	90.73	0.875	18.93
2	83.14	0.694	28.08	90.73	0.875	18.93
3	56.42	0.512	35.56	90.73	0.875	18.93
4	67.48	0.605	28.53	90.73	0.875	18.93
5	112.42	0.831	29.95	90.73	0.875	18.93
6	85.43	0.727	20.98	90.73	0.875	18.93
7	66.38	0.592	27.93	90.73	0.875	18.93
8	127.82	0.916	25.13	90.73	0.875	18.93
9	118.56	0.833	25.19	90.73	0.875	18.93
10	188.7	1.213	19.54	90.73	0.875	18.93
avg	97.44	0.750	26.19	90.73	0.875	18.93
std	40.39	0.209	4.88	0.00	0.000	0.00

1015\_costth0.4\_ws32\_mem10240\_nb16\_exp256\_es16\_g0-1-0.5

	pro	sr	maxdd	pro	sr	maxdd
1	156.07	1.098	17.21	90.73	0.875	18.93
2	88.27	0.726	20.93	90.73	0.875	18.93
3	117.08	0.915	18.28	90.73	0.875	18.93
4	252.14	1.421	17.12	90.73	0.875	18.93
5	144.04	1.027	23.41	90.73	0.875	18.93
6	93.73	0.759	34.22	90.73	0.875	18.93
7	121.6	0.858	19.76	90.73	0.875	18.93
8	204.99	1.201	21.42	90.73	0.875	18.93
9	133.33	0.983	21.26	90.73	0.875	18.93
10	135.1	0.921	29.11	90.73	0.875	18.93
average	144.635	0.979	22.27	90.73	0.875	18.93
stdev	50.12	0.22	5.46	0.00	0.000	0.00

1015\_costth0.4\_ws32\_mem10240\_nb16\_exp256\_es16\_g0.75-0-0.25

	pro	sr	maxdd	pro	sr	maxdd
1	68.7	0.605	33.32	90.73	0.875	18.93
2	173.25	1.076	27.31	90.73	0.875	18.93
3	98.78	0.788	24.2	90.73	0.875	18.93
4	54.77	0.510	22.83	90.73	0.875	18.93
5	102.46	0.811	23.26	90.73	0.875	18.93
6	205.39	1.075	24.57	90.73	0.875	18.93
7	131.27	0.893	24.97	90.73	0.875	18.93

8	126.79	0.879	29.5	90.73	0.875	18.93
9	134.89	0.911	35.82	90.73	0.875	18.93
10	112.4			90.73	0.875	18.93
average	120.87	0.84	27.31	90.73	0.875	18.93
stdev	44.99	0.19	4.64	0.00	0.000	0.00

1015\_costth0.4\_ws32\_mem10240\_nb16\_exp256\_es16\_g0-1-0.3

	pro	sr	maxdd	pro	sr	maxdd
1	226.9	1.303	18.69	90.73	0.875	18.93
2	115.22	0.871	17.97	90.73	0.875	18.93
3	112.39	0.873	25.37	90.73	0.875	18.93
4	143.39	0.954	26.03	90.73	0.875	18.93
5	108.44	0.826	25.2	90.73	0.875	18.93
6	102.99	0.808	29.08	90.73	0.875	18.93
7	100.8	0.810	18.99	90.73	0.875	18.93
8	189.82	1.228	21.77	90.73	0.875	18.93
9	149.39	0.981	31.01	90.73	0.875	18.93
10	106.48	0.865	31.64	90.73	0.875	18.93
average	135.58	0.952	24.58	90.73	0.875	18.93
stdev	42.61	0.18	5.08	0.00	0.000	0.00

1015\_costth0.4\_ws32\_mem10240\_nb16\_exp256\_es16\_g0.5-0-0.5

	pro	sr	maxdd	pro	sr	maxdd
1	104.78	0.774	34.01	90.73	0.875	18.93
2	93.24	0.711	35.69	90.73	0.875	18.93
3	178.36	1.068	17.22	90.73	0.875	18.93
4	124.61	0.875	33.23	90.73	0.875	18.93
5	197.93	1.143	17.75	90.73	0.875	18.93
6	188.64	1.130	20.79	90.73	0.875	18.93
7	232.37	1.266	19.32	90.73	0.875	18.93
8	146.86	0.945	22.15	90.73	0.875	18.93
9	84.22	0.670	34.54	90.73	0.875	18.93
10	183.19	1.132	28.28	90.73	0.875	18.93
average	153.42	0.971	26.30	90.73	0.875	18.93
stdev	50.12	0.21	7.60	0.00	0.000	0.00

costth0.5\_ws32\_mem10240\_nb16\_exp256\_es16\_g0.5-0-0.5

	pro	sr	maxdd	pro	sr	maxdd
1	107.04	0.797	25.25	90.73	0.875	18.93
2	156.88	1.009	20.19	90.73	0.875	18.93
3	86.03	0.745	23.8	90.73	0.875	18.93
4	124.72	0.874	20.53	90.73	0.875	18.93
5	151.37	1.023	24.25	90.73	0.875	18.93
6	104.7	0.806	27.85	90.73	0.875	18.93
7	54.06	0.528	29.08	90.73	0.875	18.93
8	34.25	0.379	31.92	90.73	0.875	18.93
9	131.68	0.923	31.21	90.73	0.875	18.93
10	126.12	0.876	24.57	90.73	0.875	18.93
average	107.685	0.796	25.87	90.73	0.875	18.93
stdev	39.83	0.20	4.07	0.00	0.000	0.00

costth0.6\_ws32\_mem10240\_nb16\_exp256\_es16\_g0.5-0-0.5

	pro	sr	maxdd	pro	sr	maxdd
1	108.24	0.843	27.86	90.73	0.875	18.93

2	47.76	0.491	35.04	90.73	0.875	18.93
3	144.88	0.972	23.66	90.73	0.875	18.93
4	80.83	0.690	41.48	90.73	0.875	18.93
5	115.60	0.806	29.43	90.73	0.875	18.93
6	59.34	0.560	24.5	90.73	0.875	18.93
7	229.98	1.301	19.98	90.73	0.875	18.93
8	94.56	0.767	24.69	90.73	0.875	18.93
9	32.00	0.372	28.84	90.73	0.875	18.93
10	152.12	1.077	16.46	90.73	0.875	18.93
average	106.53	0.788	27.19	90.73	0.875	18.93
stdev	58.61	0.28	7.20	0.00	0.000	0.00

costth0.4\_ws32\_mem10240\_nb8\_exp256\_es16\_g0.5-0-0.5

	pro	sr	maxdd	pro	sr	maxdd
1	57.13	0.518	35.93	90.73	0.875	18.93
2	142.72	0.992	18.75	90.73	0.875	18.93
3	263.64	1.405	21.74	90.73	0.875	18.93
4	104.18	0.798	35.95	90.73	0.875	18.93
5	38.92	0.421	34.65	90.73	0.875	18.93
6	209.11	1.196	20.56	90.73	0.875	18.93
7	113.00	0.872	38.45	90.73	0.875	18.93
8	162.71	1.131	15.73	90.73	0.875	18.93
9	183.38	1.160	15.78	90.73	0.875	18.93
10	107.40	0.806	27.75	90.73	0.875	18.93
average	138.22	0.930	26.53	90.73	0.875	18.93
stdev	68.79	0.31	9.06	0.00	0.000	0.00

costth0.5\_ws32\_mem10240\_nb8\_exp256\_es16\_g0.5-0-0.5

	pro	sr	maxdd	pro	sr	maxdd
1	64.86	0.580	29.21	90.73	0.875	18.93
2	85.70	0.675	34.06	90.73	0.875	18.93
3	144.25	0.945	34.24	90.73	0.875	18.93
4	188.73	1.183	30.71	90.73	0.875	18.93
5	108.96	0.791	27.70	90.73	0.875	18.93
6	141.09	0.960	26.05	90.73	0.875	18.93
7	78.91	0.685	26.10	90.73	0.875	18.93
8	51.61	0.487	35.18	90.73	0.875	18.93
9	113.74	0.840	35.54	90.73	0.875	18.93
10	259.87	1.326	19.30	90.73	0.875	18.93
average	123.77	0.847	29.81	90.73	0.875	18.93
stdev	63.17	0.26	5.20	0.00	0.000	0.00