

cores/ app	run	gen	nodes	ppn	napps	tmax	charge cores	charge (core-h/app)	perf (ops/s/core)	combined objective	run	HT
▼		1										
4	3	1	1	8	2	2488.86	8	2.77	10.0	68.83	3	
4	1	1	1	4	1	1138.83	8	2.53	11.0	28.82	1	
6	11	1	1	6	1	1566.07	8	3.48	8.0	54.50	11	
6	16	1	2	6	2	1401.48	16	3.11	8.9	43.65	16	
6	13	1	2	3	1	816.61	16	3.63	7.7	29.64	13	
8	26	1	2	8	2	1494.81	16	3.32	8.4	49.65	26	
8	21	1	1	8	1	1488.72	8	3.31	8.4	49.25	21	
8	23	1	2	4	1	791.37	16	3.52	7.9	27.83	23	
12	41	1	3	8	2	1117.20	24	3.72	7.5	41.60	41	
12	43	1	4	6	2	838.51	32	3.73	7.5	31.25	43	
12	31	1	2	6	1	838.08	16	3.72	7.5	31.22	31	
12	33	1	3	4	1	544.74	24	3.63	7.6	19.78	33	
12	35	1	4	3	1	503.05	32	4.47	6	22	35	
16	56	1	4	8	2	1626.13	32	7.23	3.8	117.52	56	
16	51	1	2	8	1	998.73	16	4.44	6.3	44.33	51	
16	53	1	4	4	1	522.50	32	4.64	6.0	24.27	53	
▼		2										
4	4	2	1	8	2	767.26	8	0.85	32.6	6.54	4	
4	2	2	1	4	1	516.69	8	1.15	24.2	5.93	2	
6	15	2	1	12	2	867.12	8	0.96	28.8	8.35	15	HT
6	17	2	2	6	2	587.55	16	1.31	21.3	7.67	17	
6	12	2	1	6	1	470.10	8	1.04	26.6	4.91	12	
6	14	2	2	3	1	447.01	16	1.99	14.0	8.88	14	
8	25	2	1	16	2	927.22	8	1.03	27.0	9.55	25	HT
8	27	2	2	8	2	596.30	16	1.33	21.0	7.90	27	
8	22	2	1	8	1	472.16	8	1.05	26.5	4.95	22	
8	24	2	2	4	1	426.55	16	1.90	14.7	8.09	24	
12	40	2	2	12	2	582.08	16	1.29	21.5	7.53	40	HT
12	30	2	1	12	1	565.44	8	1.26	22.1	7.10	30	HT
12	42	2	3	8	2	383.44	24	1.28	21.7	4.90	42	
12	32	2	2	6	1	330.88	16	1.47	18.9	4.87	32	
12	44	2	4	6	2	321.16	32	1.43	19.5	4.58	44	
12	34	2	3	4	1	270.06	24	1.80	15.4	4.86	34	
12	36	2	4	3	1	267.81	32	2.38	11.7	6.38	36	
16	55	2	2	16	2	601.78	16	1.34	20.8	8.05	55	HT
16	50	2	1	16	1	592.26	8	1.32	21.1	7.79	50	HT
16	52	2	2	8	1	329.10	16	1.46	19.0	4.81	52	
16	57	2	4	8	2	327.90	32	1.46	19.1	4.78	57	
16	54	2	4	4	1	237.59	32	2.11	13.2	5.02	54	

Key to colors

- **Blue:** gen1 nodes
- **Purple:** gen2 nodes
- **Red:**
 - in header: sort criterion
 - in data: optimal value
- Grey: runs with napps=2

cores/ app	run	gen	nodes	ppn	napps	tmax	charge cores	charge (core-h/app)	perf (ops/s/core)	combined objective	run	HT
▼		1										
4	3	1	1	8	2	2488.86	8	2.77	10.0	68.83	3	
16	56	1	4	8	2	1626.13	32	7.23	3.8	117.52	56	
6	11	1	1	6	1	1566.07	8	3.48	8.0	54.50	11	
8	26	1	2	8	2	1494.81	16	3.32	8.4	49.65	26	
8	21	1	1	8	1	1488.72	8	3.31	8.4	49.25	21	
6	16	1	2	6	2	1401.48	16	3.11	8.9	43.65	16	
4	1	1	1	4	1	1138.83	8	2.53	11.0	28.82	1	
12	41	1	3	8	2	1117.20	24	3.72	7.5	41.60	41	
16	51	1	2	8	1	998.73	16	4.44	6.3	44.33	51	
12	43	1	4	6	2	838.51	32	3.73	7.5	31.25	43	
12	31	1	2	6	1	838.08	16	3.72	7.5	31.22	31	
6	13	1	2	3	1	816.61	16	3.63	7.7	29.64	13	
8	23	1	2	4	1	791.37	16	3.52	7.9	27.83	23	
12	33	1	3	4	1	544.74	24	3.63	7.6	19.78	33	
16	53	1	4	4	1	522.50	32	4.64	6.0	24.27	53	
12	35	1	4	3	1	503.05	32	4.47	6.2	22.49	35	
▼		2										
8	25	2	1	16	2	927.22	8	1.03	27.0	9.55	25	HT
6	15	2	1	12	2	867.12	8	0.96	28.8	8.35	15	HT
4	4	2	1	8	2	767.26	8	0.85	32.6	6.54	4	
16	55	2	2	16	2	601.78	16	1.34	20.8	8.05	55	HT
8	27	2	2	8	2	596.30	16	1.33	21.0	7.90	27	
16	50	2	1	16	1	592.26	8	1.32	21.1	7.79	50	HT
6	17	2	2	6	2	587.55	16	1.31	21.3	7.67	17	
12	40	2	2	12	2	582.08	16	1.29	21.5	7.53	40	HT
12	30	2	1	12	1	565.44	8	1.26	22.1	7.10	30	HT
4	2	2	1	4	1	516.69	8	1.15	24.2	5.93	2	
8	22	2	1	8	1	472.16	8	1.05	26.5	4.95	22	
6	12	2	1	6	1	470.10	8	1.04	26.6	4.91	12	
6	14	2	2	3	1	447.01	16	1.99	14.0	8.88	14	
8	24	2	2	4	1	426.55	16	1.90	14.7	8.09	24	
12	42	2	3	8	2	383.44	24	1.28	21.7	4.90	42	
12	32	2	2	6	1	330.88	16	1.47	18.9	4.87	32	
16	52	2	2	8	1	329.10	16	1.46	19.0	4.81	52	
16	57	2	4	8	2	327.90	32	1.46	19.1	4.78	57	
12	44	2	4	6	2	321.16	32	1.43	19.5	4.58	44	
12	34	2	3	4	1	270.06	24	1.80	15.4	4.86	34	
12	36	2	4	3	1	267.81	32	2.38	11.7	6.38	36	
16	54	2	4	4	1	237.59	32	2.11	13.2	5.02	54	

Key to colors

- **Blue:** gen1 nodes
- **Purple:** gen2 nodes
- **Red:**
 - in header: sort criterion
 - in data: optimal value
- **Grey:** runs with napps=2

cores/ app	run	gen	nodes	ppn	napps	tmax	charge cores	charge (core-h/app)	perf (ops/s/core)	combined objective	run	HT
▼		1										
16	56	1	4	8	2	1626.13	32	7.23	3.8	117.52	56	
16	53	1	4	4	1	522.50	32	4.64	6.0	24.27	53	
12	35	1	4	3	1	503.05	32	4.47	6.2	22.49	35	
16	51	1	2	8	1	998.73	16	4.44	6.3	44.33	51	
12	43	1	4	6	2	838.51	32	3.73	7.5	31.25	43	
12	41	1	3	8	2	1117.20	24	3.72	7.5	41.60	41	
12	31	1	2	6	1	838.08	16	3.72	7.5	31.22	31	
6	13	1	2	3	1	816.61	16	3.63	7.7	29.64	13	
12	33	1	3	4	1	544.74	24	3.63	7.6	19.78	33	
8	23	1	2	4	1	791.37	16	3.52	7.9	27.83	23	
6	11	1	1	6	1	1566.07	8	3.48	8.0	54.50	11	
8	26	1	2	8	2	1494.81	16	3.32	8.4	49.65	26	
8	21	1	1	8	1	1488.72	8	3.31	8.4	49.25	21	
6	16	1	2	6	2	1401.48	16	3.11	8.9	43.65	16	
4	3	1	1	8	2	2488.86	8	2.77	10.0	68.83	3	
4	1	1	1	4	1	1138.83	8	2.53	11.0	28.82	1	
▼		2										
12	36	2	4	3	1	267.81	32	2.38	11.7	6.38	36	
16	54	2	4	4	1	237.59	32	2.11	13.2	5.02	54	
6	14	2	2	3	1	447.01	16	1.99	14.0	8.88	14	
8	24	2	2	4	1	426.55	16	1.90	14.7	8.09	24	
12	34	2	3	4	1	270.06	24	1.80	15.4	4.86	34	
12	32	2	2	6	1	330.88	16	1.47	18.9	4.87	32	
16	52	2	2	8	1	329.10	16	1.46	19.0	4.81	52	
16	57	2	4	8	2	327.90	32	1.46	19.1	4.78	57	
12	44	2	4	6	2	321.16	32	1.43	19.5	4.58	44	
16	55	2	2	16	2	601.78	16	1.34	20.8	8.05	55	HT
8	27	2	2	8	2	596.30	16	1.33	21.0	7.90	27	
16	50	2	1	16	1	592.26	8	1.32	21.1	7.79	50	HT
6	17	2	2	6	2	587.55	16	1.31	21.3	7.67	17	
12	40	2	2	12	2	582.08	16	1.29	21.5	7.53	40	HT
12	42	2	3	8	2	383.44	24	1.28	21.7	4.90	42	
12	30	2	1	12	1	565.44	8	1.26	22.1	7.10	30	HT
4	2	2	1	4	1	516.69	8	1.15	24.2	5.93	2	
8	22	2	1	8	1	472.16	8	1.05	26.5	4.95	22	
6	12	2	1	6	1	470.10	8	1.04	26.6	4.91	12	
8	25	2	1	16	2	927.22	8	1.03	27.0	9.55	25	HT
6	15	2	1	12	2	867.12	8	0.96	28.8	8.35	15	HT
4	4	2	1	8	2	767.26	8	0.85	32.6	6.54	4	

Key to colors

- **Blue:** gen1 nodes
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 - in header: sort criterion
 - in data: optimal value
- **Grey:** runs with napps=2

cores/ app	run	gen	nodes	ppn	napps	tmax	charge cores	charge (core-h/app)	perf (ops/s/core)	combined objective	run	HT	ref. run	charge change
▼		1												
16	56	1	4	8	2	1626.13	32	7.23	3.8	117.52	56			
16	53	1	4	4	1	522.50	32	4.64	6.0	24.27	53			
12	35	1	4	3	1	503.05	32	4.47	6.2	22.49	35			
16	51	1	2	8	1	998.73	16	4.44	6.3	44.33	51			
12	31	1	2	6	1	838.08	16	3.72	7.5	31.22	31			
12	41	1	3	8	2	1117.20	24	3.72	7.5	41.60	41			
12	43	1	4	6	2	838.51	32	3.73	7.5	31.25	43			
12	33	1	3	4	1	544.74	24	3.63	7.6	19.78	33			
6	13	1	2	3	1	816.61	16	3.63	7.7	29.64	13			
8	23	1	2	4	1	791.37	16	3.52	7.9	27.83	23			
6	11	1	1	6	1	1566.07	8	3.48	8.0	54.50	11			
8	21	1	1	8	1	1488.72	8	3.31	8.4	49.25	21			
8	26	1	2	8	2	1494.81	16	3.32	8.4	49.65	26		51	-25%
6	16	1	2	6	2	1401.48	16	3.11	8.9	43.65	16		31	-16%
4	3	1	1	8	2	2488.86	8	2.77	10.0	68.83	3		21	-16%
4	1	1	1	4	1	1138.83	8	2.53	11.0	28.82	1			
▼		2												
12	36	2	4	3	1	267.81	32	2.38	11.7	6.38	36			
16	54	2	4	4	1	237.59	32	2.11	13.2	5.02	54			
6	14	2	2	3	1	447.01	16	1.99	14.0	8.88	14			
8	24	2	2	4	1	426.55	16	1.90	14.7	8.09	24			
12	34	2	3	4	1	270.06	24	1.80	15.4	4.86	34			
12	32	2	2	6	1	330.88	16	1.47	18.9	4.87	32			
16	52	2	2	8	1	329.10	16	1.46	19.0	4.81	52			
16	57	2	4	8	2	327.90	32	1.46	19.1	4.78	57			
12	44	2	4	6	2	321.16	32	1.43	19.5	4.58	44			
16	55	2	2	16	2	601.78	16	1.34	20.8	8.05	55	HT	52	-8%
8	27	2	2	8	2	596.30	16	1.33	21.0	7.90	27		52	-9%
16	50	2	1	16	1	592.26	8	1.32	21.1	7.79	50	HT	22	26%
6	17	2	2	6	2	587.55	16	1.31	21.3	7.67	17		32	-11%
12	40	2	2	12	2	582.08	16	1.29	21.5	7.53	40	HT		
12	42	2	3	8	2	383.44	24	1.28	21.7	4.90	42			
12	30	2	1	12	1	565.44	8	1.26	22.1	7.10	30	HT	22	20%
4	2	2	1	4	1	516.69	8	1.15	24.2	5.93	2			
8	22	2	1	8	1	472.16	8	1.05	26.5	4.95	22			
6	12	2	1	6	1	470.10	8	1.04	26.6	4.91	12			
8	25	2	1	16	2	927.22	8	1.03	27.0	9.55	25	HT	50	-22%
6	15	2	1	12	2	867.12	8	0.96	28.8	8.35	15	HT	30	-24%
4	4	2	1	8	2	767.26	8	0.85	32.6	6.54	4		22	-19%

Only napps=1 is considered.

cores/ app	run	gen	nodes	ppn	napps	tmax	charge cores	charge (core-h/app)	perf (ops/s/core)	combined objective	run	HT
▼		1										
16	56	1	4	8	2	1626.13	32	7.23	3.8	117.52	56	
4	3	1	1	8	2	2488.86	8	2.77	10.0	68.83	3	
6	11	1	1	6	1	1566.07	8	3.48	8.0	54.50	11	
8	26	1	2	8	2	1494.81	16	3.32	8.4	49.65	26	
8	21	1	1	8	1	1488.72	8	3.31	8.4	49.25	21	
16	51	1	2	8	1	998.73	16	4.44	6.3	44.33	51	
6	16	1	2	6	2	1401.48	16	3.11	8.9	43.65	16	
12	41	1	3	8	2	1117.20	24	3.72	7.5	41.60	41	
12	43	1	4	6	2	838.51	32	3.73	7.5	31.25	43	
12	31	1	2	6	1	838.08	16	3.72	7.5	31.22	31	
6	13	1	2	3	1	816.61	16	3.63	7.7	29.64	13	
4	1	1	1	4	1	1138.83	8	2.53	11.0	28.82	1	
8	23	1	2	4	1	791.37	16	3.52	7.9	27.83	23	
16	53	1	4	4	1	522.50	32	4.64	6.0	24.27	53	
12	35	1	4	3	1	503.05	32	4.47	6.2	22.49	35	
12	33	1	3	4	1	544.74	24	3.63	7.6	19.78	33	
▼		2										
8	25	2	1	16	2	927.22	8	1.03	27.0	9.55	25	HT
6	14	2	2	3	1	447.01	16	1.99	14.0	8.88	14	
6	15	2	1	12	2	867.12	8	0.96	28.8	8.35	15	HT
8	24	2	2	4	1	426.55	16	1.90	14.7	8.09	24	
16	55	2	2	16	2	601.78	16	1.34	20.8	8.05	55	HT
8	27	2	2	8	2	596.30	16	1.33	21.0	7.90	27	
16	50	2	1	16	1	592.26	8	1.32	21.1	7.79	50	HT
6	17	2	2	6	2	587.55	16	1.31	21.3	7.67	17	
12	40	2	2	12	2	582.08	16	1.29	21.5	7.53	40	HT
12	30	2	1	12	1	565.44	8	1.26	22.1	7.10	30	HT
4	4	2	1	8	2	767.26	8	0.85	32.6	6.54	4	
12	36	2	4	3	1	267.81	32	2.38	11.7	6.38	36	
4	2	2	1	4	1	516.69	8	1.15	24.2	5.93	2	
16	54	2	4	4	1	237.59	32	2.11	13.2	5.02	54	
8	22	2	1	8	1	472.16	8	1.05	26.5	4.95	22	
6	12	2	1	6	1	470.10	8	1.04	26.6	4.91	12	
12	42	2	3	8	2	383.44	24	1.28	21.7	4.90	42	
12	32	2	2	6	1	330.88	16	1.47	18.9	4.87	32	
12	34	2	3	4	1	270.06	24	1.80	15.4	4.86	34	
16	52	2	2	8	1	329.10	16	1.46	19.0	4.81	52	
16	57	2	4	8	2	327.90	32	1.46	19.1	4.78	57	
12	44	2	4	6	2	321.16	32	1.43	19.5	4.58	44	

Key to colors

- **Blue:** gen1 nodes
- **Purple:** gen2 nodes
- **Red:**
 - in header: sort criterion
 - in data: optimal value
- **Grey:** runs with napps=2

cores/app	run gen1	run gen2	nodes	ppn	napps	tmax gen1	tmax gen2	Speedup and charge ratio	charge (core-h/app) gen1	charge (core-h/app) gen2
6	13	14	2	3	1	817	447	1.8	3.63	1.99
8	23	24	2	4	1	791	427	1.9	3.52	1.90
12	35	36	4	3	1	503	268	1.9	4.47	2.38
12	33	34	3	4	1	545	270	2.0	3.63	1.80
16	53	54	4	4	1	523	238	2.2	4.64	2.11
4	1	2	1	4	1	1139	517	2.2	2.53	1.15
6	16	17	2	6	2	1401	588	2.4	3.11	1.31
8	26	27	2	8	2	1495	596	2.5	3.32	1.33
12	31	32	2	6	1	838	331	2.5	3.72	1.47
12	43	44	4	6	2	839	321	2.6	3.73	1.43
12	41	42	3	8	2	1117	383	2.9	3.72	1.28
16	51	52	2	8	1	999	329	3.0	4.44	1.46
8	21	22	1	8	1	1489	472	3.2	3.31	1.05
4	3	4	1	8	2	2489	767	3.2	2.77	0.85
6	11	12	1	6	1	1566	470	3.3	3.48	1.04
16	56	57	4	8	2	1626	328	5.0	7.23	1.46