

Test Objects	Algorithms	APSC(%)	EET(s)	HV	MWU	A value	Total Iterations	Overhead(s)
commons-dcli	HH-TS	96.43	24.15	1.87E-04	--	--	229	0.8
	NSGAll-uniform	96.29	24.27	3.40E-04	0.040	0.65	268	1.1
	NSGAll-order	96.12	25.36	4.82E-04	0.003	0.78	237	0.9
	HH-ES	96.14	25.75	5.25E-04	0.001	0.80	206	0.8
	NSGAll-antisising	96.03	26.64	9.18E-04	0.000	0.88	185	0.7
	NSGAll-sing	95.87	26.53	2.42E-03	0.000	1.00	408	1.5
	SPEA2-uniform	95.09	33.65	1.01E-02	0.000	1.00	197	1.2
	TAEA-antisising	95.06	27.15	2.98E-02	0.000	1.00	91	0.5
	SPEA2-antisising	94.98	34.52	3.41E-02	0.000	1.00	103	0.6
	TAEA-sing	94.18	39.40	6.17E-02	0.000	1.00	115	0.5
	SPEA2-order	93.60	48.91	1.25E-01	0.000	1.00	125	1.0
	NSGAll-antsican	93.51	60.78	1.68E-01	0.000	1.00	120	0.7
	TAEA-order	93.43	40.85	1.76E-01	0.000	1.00	140	0.9
	TAEA-antsican	92.86	63.09	2.72E-01	0.000	1.00	184	1.3
	SPEA2-sing	92.63	52.59	2.73E-01	0.000	1.00	111	0.7
	TAEA-uniform	91.80	51.68	3.16E-01	0.000	1.00	140	1.0
	SPEA2-antsican	91.69	64.75	4.03E-01	0.000	1.00	71	0.5
	NSGAll-scan	89.81	60.60	4.67E-01	0.000	1.00	107	0.7
	TAEA-scan	89.35	57.31	4.87E-01	0.000	1.00	165	1.3
	SPEA2-scan	88.33	57.17	5.44E-01	0.000	1.00	85	0.6
commons-dbutils	HH-TS	93.05	30.74	2.09E-04	--	--	260	1.8
	NSGAll-uniform	93.08	31.10	4.31E-04	0.745	0.52	346	2.5
	NSGAll-order	92.23	33.81	8.98E-04	0.001	0.81	354	2.1
	NSGAll-antisising	91.57	35.18	1.30E-03	0.000	0.97	250	1.5
	HH-ES	91.59	35.33	1.52E-03	0.000	0.98	226	1.6
	NSGAll-sing	91.56	36.40	2.07E-03	0.000	1.00	605	3.4
	SPEA2-uniform	90.63	41.10	2.52E-02	0.000	1.00	238	2.4
	TAEA-antisising	90.53	36.71	4.47E-02	0.000	1.00	116	1.1
	TAEA-sing	89.61	53.76	8.77E-02	0.000	1.00	121	1.1
	SPEA2-antisising	89.46	45.75	1.16E-01	0.000	1.00	125	1.4
	SPEA2-order	88.04	59.33	2.29E-01	0.000	1.00	139	1.7
	SPEA2-sing	87.65	62.11	2.32E-01	0.000	1.00	126	1.4
	NSGAll-antsican	87.04	70.43	3.74E-01	0.000	1.00	99	1.1
	TAEA-order	86.33	58.06	3.78E-01	0.000	1.00	118	1.4
	TAEA-uniform	85.88	63.60	4.45E-01	0.000	1.00	107	1.4
	SPEA2-antsican	85.50	72.11	5.14E-01	0.000	1.00	82	1.0
	TAEA-antsican	85.47	72.91	5.39E-01	0.000	1.00	91	1.2
	NSGAll-scan	84.27	68.76	5.56E-01	0.000	1.00	85	1.0
	TAEA-scan	83.56	66.19	6.19E-01	0.000	1.00	97	1.3
	SPEA2-scan	82.70	65.11	6.31E-01	0.000	1.00	76	0.9
commons-io	NSGAll-uniform	93.53	65.87	7.16E-04	0.021	0.33	600	8.4
	NSGAll-order	93.43	66.25	9.36E-04	0.142	0.39	482	6.5
	HH-TS	93.51	66.61	9.81E-04	--	--	339	3.7
	NSGAll-antisising	93.27	67.51	2.85E-03	0.000	0.86	371	5.1
	NSGAll-sing	92.91	68.42	3.92E-03	0.000	0.89	958	12.8
	HH-ES	92.78	69.03	5.65E-03	0.000	0.94	310	4.4
	SPEA2-uniform	91.37	85.79	2.87E-02	0.000	1.00	353	9.4
	TAEA-antisising	91.03	76.69	3.08E-02	0.000	1.00	186	5.0
	SPEA2-antisising	90.25	93.77	5.48E-02	0.000	1.00	193	6.0
	TAEA-sing	89.63	119.23	1.15E-01	0.000	1.00	157	4.0
	SPEA2-order	88.14	128.16	1.98E-01	0.000	1.00	172	6.2
	SPEA2-sing	86.79	133.67	2.22E-01	0.000	1.00	142	4.5
	NSGAll-antsican	85.36	150.74	3.42E-01	0.000	1.00	100	3.2
	TAEA-uniform	84.64	133.42	4.47E-01	0.000	1.00	99	3.8
	SPEA2-antsican	83.70	150.78	4.95E-01	0.000	1.00	79	2.8
	TAEA-antsican	82.69	152.39	5.02E-01	0.000	1.00	72	3.0
	TAEA-order	82.60	144.02	5.08E-01	0.000	1.00	69	2.7
	NSGAll-scan	82.48	145.09	5.37E-01	0.000	1.00	95	3.4
	TAEA-scan	81.88	139.90	5.64E-01	0.000	1.00	69	2.8
	SPEA2-scan	81.01	138.12	7.23E-01	0.000	1.00	93	3.6
commons-jexl	NSGAll-order	95.32	141.05	1.24E-04	0.416	0.56	384	5.5
	HH-TS	95.44	143.14	1.38E-04	--	--	267	4.0
	NSGAll-uniform	95.41	142.63	1.71E-04	0.554	0.46	449	6.4
	NSGAll-antisising	95.27	145.18	2.02E-04	0.004	0.73	317	4.9
	HH-ES	95.30	146.39	2.13E-04	0.000	0.82	213	4.6
	NSGAll-sing	95.20	147.12	5.37E-04	0.000	0.92	834	11.6
	SPEA2-uniform	94.21	150.73	9.14E-03	0.000	0.99	295	8.0
	SPEA2-antisising	93.48	153.47	1.67E-02	0.000	1.00	154	5.1
	TAEA-antisising	93.23	148.91	2.69E-02	0.000	1.00	124	4.2
	TAEA-sing	92.73	161.33	6.34E-02	0.000	1.00	124	3.3
	SPEA2-order	92.64	162.28	6.94E-02	0.000	1.00	165	6.5
	SPEA2-sing	90.70	165.63	1.24E-01	0.000	1.00	136	4.6
	NSGAll-antsican	90.54	172.80	1.88E-01	0.000	1.00	112	3.9
	TAEA-order	90.01	164.02	2.18E-01	0.000	1.00	101	4.3
	SPEA2-antsican	89.47	174.25	2.63E-01	0.000	1.00	86	3.3
	TAEA-uniform	88.62	166.18	3.20E-01	0.000	1.00	85	3.9
	TAEA-antsican	87.33	174.69	3.82E-01	0.000	1.00	74	3.4
	NSGAll-scan	86.04	171.23	4.07E-01	0.000	1.00	95	3.9
	TAEA-scan	85.12	167.88	4.18E-01	0.000	1.00	67	3.4
	SPEA2-scan	84.34	167.00	5.17E-01	0.000	1.00	84	3.9
threetenbp	NSGAll-uniform	97.75	559.43	2.82E-05	0.332	0.38	2389	409.4
	HH-TS	97.63	554.64	4.38E-05	--	--	1390	252.4
	NSGAll-order	97.67						