A few results. For more explanation, see ReadMe.txt and the source code

			SPSO 2007				
			KISS, seed=1294404794				
			100 runs				
			automatic swarm size S			Swarm size = 40	
Function	Dim.	Comment	*S*	%	Mean best	%	Mean best
4 Tripod	2		*12*	56	5.03E-01	63	3.10E-01
11 Network	42	Partly binary	*22*	0	1.35E+02	0	1.06E+02
15 Step	10	Biased	*16*	99	1.00E-02	3	4.53E+00
17 Lennard-Jones	18		*18*	5	4.68E-01	3	6.40E-01
18 Gear train	4	Discrete	*14*	9	1.55E-09	16	2.47E-10
20 Perm	5	Discrete	*14*	16	5.10E+02	46	2.92E+02
21 Compression spring	3	Partly discrete	*13*	31	3.96E-02	72	1.91E-03
100 Sphere	30	Shifted	*20*	100	9.39E-07	100	9.00E-07
102 Rosenbrock	10	Shifted	*16*	68	5.75E+00	9	1.81E+00
103 Rastrigin	30	Shifted	*20*	0	5.39E+01	0	3.89E+01
104 Schwefel	10	Shifted	*16*	100	9.09E-05	100	8.57E-05
105 Griewank	10	Shifted	*16*	5	5.26E-02	18	3.05E-02
106 Ackley	30	Shifted	*20*	30	1.12E+00	98	1.87E-02
		Total		*519*	*7.07E+02*	*528*	*4.44E+02*

	SPSO 2011, swarm size 40							
	Uniform radius, BW=(0,0,0,0), Confinement							
	KISS, seed=1294404794		Mersenne, seed=1294404794				Mersenne, seed=1234567890	
	100 runs		100 runs		1000 runs		100 runs	
4 Tripod	79	1.46E-01	72	1.54E-01	75	1.39E-01	74	1.45E-01
11 Network	0	1.09E+02	0	1.12E+02	0	1.11E+02	0	1.10E+02
15 Step	99	1.00E-02	99	1.00E-02	99	1.10E-02	98	2.00E-02
17 Lennard-Jones	33	5.65E-01	42	4.32E-01	40	4.70E-01	39	4.92E-01
18 Gear train	58	1.90E-11	46	2.61E-11	49	2.57E-11	64	3.19E-11
20 Perm	36	3.09E+02	29	3.43E+02	33	3.03E+02	32	3.38E+02
21 Compression spring	81	3.26E-03	79	3.55E-03	77	3.25E-03	78	4.51E-03
100 Sphere	100	0.00E+00	100	0.00E+00	100	0.00E+00	100	0.00E+00
102 Rosenbrock	50	5.77E+01	46	5.95E+01	45	6.62E+01	44	6.02E+01
103 Rastrigin	1	5.39E+00	0	5.26E+00	0	5.23E+00	0	5.24E+00
104 Schwefel	100	0.00E+00	100	0.00E+00	100	0.00E+00	100	0.00E+00
105 Griewank	9	2.15E-02	21	1.65E-02	12	2.07E-02	15	2.13E-02
106 Ackley	100	0.00E+00	100	0.00E+00	100	1.16E-03	100	0.00E+00
	746	*4.81E+02*	*734*	*5.20E+02*	*730*	*4.86E+02*	*744*	*5.14E+02*

100 runs is not always enough for a good estimation of the success rate (and of the mean best).

The result may depend on the RNG. Actually, even for a given RNG, it may depend on the seed..