ERRATUM

Zhiguo Bao · Takahiro Watanabe

Erratum to: Mixed constrained image filter design using particle swarm optimization

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The headings of Table 3 were incorrectly shown. The correct table appears here with its legend.

Table 3 Fitness values of PSO with different w , and GA

Item	Max		Average		Running time	
	Fitness	Ratio	Fitness	Ratio	Time(m)	Ratio
PSO(0:4)	−80005207479684	1.65	−99745634920892	1.11	42.80	0.99
PSO(0:5)	−80535402393364	1.66	−94873624466988	1.06	43.60	1.01
PSO(0:6)	−79181905512328	1.63	−97375325953839	1.09	43.20	0.99
PSO(0:7)	−56076103257304	1.15	−94746895485425	1.06	42.60	0.98
PSO(0:8)	−57981907477527	1.19	−91487054845692	1.02	41.70	0.96
PSO(0:9)	−48550809287267	1.00	−89652125806386	1.00	43.00	1.00
PSO(1:0)	−85478004803230	1.76	−102629344653216	1.14	40.00	0.92
PSO(w1)	−82558108959223	1.70	−93726626111394	1.05	42.80	0.99
PSO(w2)	−63176503079148	1.30	−91741585167119	1.02	42.00	0.97
GA	−47595302921595	0.98	−64678393342856	0.72	49.70	1.10

PSO(w), PSO with $w = 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0$

PSO($w1$), PSO with $w = 1.0 - 0.6 * \text{generation} / \text{generation_size}$

PSO($w2$), PSO with $w = 0.4 + 0.6 * \text{random}()$

GA, the number of generation and the population size are the same to that of PSO; elite size = 10; crossover probability (P_c) = 0.3; mutation probability (P_m) = 0.1 (Bao and Watanabe⁷)

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Z. Bao (✉) · T. Watanabe
Graduate School of Information, Production and Systems, Waseda
University, 2-7 Hibikino, Wakamatsu-ku, Kitakyushu, Fukuoka
808-0135, Japan
e-mail: baozhiguo@moegi.waseda.jp