Erratum

Erratum to “Adaptive single-loop reliability-based design optimization and post optimization using constraint boundary sampling” [32 (7) (2018) 3249~3262]

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There are two corrections to make to the original article.

Table 7 and 8 were mistakenly switched. The corrections to the tables are shown as follows:

Table 7. Comparison of the results by the existing and proposed methods in Example 2.

Methods		Objective	Optimal design	NFE	β_1^{MCS}	β_2^{MCS}
Existing	PMA	9.2330	(2.4713, 3.7361)	$75+85 \times 2 = 245$	2.9994	2.9822
	SORA	9.2330	(2.4713, 3.7361)	$24+28 \times 2 = 80$	2.9994	2.9822
	ASORA	9.2338	(2.4786, 3.7254)	$(7+7 \times 4)+(140+0) = 175$	3.0005	3.0101
	SLM	9.2330	(2.4713, 3.7361)	$(3+3 \times 2) \times 1+5 \times 2 \times 4 = 49$	2.9994	2.9822
Proposed	ASLM	9.2330	(2.4713, 3.7361)	$(3+3 \times 2) \times 1+5 \times 2 \times 4 = 49$	2.9994	2.9822
	ASLM+PO	9.2331	(2.4769, 3.7277)	$49+9 = 58$	2.9992	3.0026
Benchmarking	MCS	9.2334	(2.4776, 3.7268)	$(10+10 \times 2) \times 10^7 = 30 \times 10^7$	3.0000	3.0058

Table 8. Comparison of the results by the existing and proposed methods in Example 3.

Methods		Objective	Optimal design	NFE	β_1^{IS}
Existing	PMA	155.2704	(4.3400, 3.7770, 6.7238, 44.9527)	$1158+1158 \times 6 = 8106$	3.0492
	SORA	155.3203	(4.3400, 3.6872, 6.9050, 45.0000)	$(548+548 \times 6)+(5466+5466 \times 4) = 31166$	2.9636
	ASORA	The converged point was not feasible.			
	SLM	155.6512	(4.3400, 3.5200, 7.2584, 45.0000)	$(7+5 \times 1) \times 1+7 \times 1 \times 69 = 495$	2.8990
Proposed	ASLM	155.5749	(4.3400, 3.7523, 6.8098, 45.0000)	$(7+5 \times 1) \times 12+7 \times 1 \times 18 = 270$	3.0580
	ASLM+PO	155.5278	(4.3495, 3.7407, 6.8044, 44.9989)	$270+50 = 320$	2.9780

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