

Erratum to: Cuckoo search algorithm: a metaheuristic approach to solve structural optimization problems

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The authors would like to correct errors in the original publication as detailed below:

Since the lower bound of the plate thickness (t) is defined in Sect. 3.2.4, Eq. (33) should be removed.

There were some typos in the cited, earlier articles concerning the problem formulation, which should be corrected as:

$$g_1 = 85.334407 + 0.0056858x_2x_5 + 0.0006262x_1x_4 - 0.0022053x_3x_5 \quad (4)$$

$$g_2 = 80.51249 + 0.0071317x_2x_5 + 0.0029955x_1x_2 + 0.0021813x_3^2 \quad (5)$$

$$g_3 = 9.300961 + 0.0047026x_3x_5 + 0.0012547x_1x_3 + 0.0019085x_3x_4 \quad (6)$$

$$f(A_1, A_2) = (2\sqrt{2}A_1 + A_2) \times l \quad (44)$$

$$f(A_s, b, h) = 29.4A_s + 0.6bh \quad (61)$$

$$f(T_s, T_h, R, L) = 0.6224T_sRL + 1.7781T_hR^2 + 3.1661T_s^2L + 19.84T_s^2R \quad (68)$$

In Sect. 3.2.13, the bounds should be $-30 \leq x_{10}, x_{11} \leq 30$.

In the last paragraph of Sect. 3, it should read “For solving this problem, CS had a population of 20 cuckoos and 1,000 iterations for each run...”

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