Errata

Errata on “GA-Fuzzy Modeling and Classification: Complexity and Performance” and “Compact and Transparent Fuzzy Models and Classifiers Through Iterative Complexity Reduction”

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Index Terms—Second-order nonlinear plant, Wang data.

We would like to correct a typing error that repeatedly appeared in our work in [1] and [2], and, thereafter, also in [3] and [4]. Namely, in several papers, we applied the data from [5]–[7] as a benchmark problem. Unfortunately, the dynamic model equation (1) was incorrectly repeated and duplicated due to a typing error that appeared in [1], i.e., a “+” operator is missing in [1, eq. 11, p. 513]. Thereafter, it was wrongly duplicated in [2, eq. 13, p. 519], [3, Sec A, p. 292], and [4, eq. 16, p. 45]. Concluding, the correct equation is (1) and not (2).

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The applied data was correct, according to (1), in all the papers

$$g(y(k-1), y(k-2)) = \frac{y(k-1)y(k-2)(y(k-1) - 0.5)}{1 + y^2(k-1) + y^2(k-2)} \quad (1)$$

$$g(y(k-1), y(k-2)) = \frac{y(k-1)y(k-2)(y(k-1) - 0.5)}{1 + y^2(k-1)y^2(k-2)}. \quad (2)$$

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