

**Erratum: “Optimization of Reduced Kinetic Models for Reactive Flow Simulations” [ASME Journal of Engineering for Gas Turbines and Power, 2013, 136(1), p. 011503 DOI: [10.1115/1.4025265](https://doi.org/10.1115/1.4025265)]**

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Reaction (1) should read as “ $\text{C}_2\text{H}_4 + 3\text{O}_2 \rightarrow 2\text{CO}_2 + 2\text{H}_2\text{O}$ .” The associated  $\alpha$  and  $\beta$  are 1 and 3 (not 1 and 2 as given in the text on p. 3). The rate parameters  $3.9000 \times 10^{25}$ , 0.25532, and 42,168 given in Fig. 3 are correct and correspond to  $\alpha = 1$  and  $\beta = 3$ .