

ADDITIONS AND CORRECTIONS

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Jordi Poater, Miquel Solà, Miquel Duran, and Xavier Fradera: New Insights in Chemical Reactivity by Means of Electron Pairing Analysis

Page 2052. Equations 4, 7, and 8 contained errors. The equations should read

$$h^{\sigma\sigma'}(\mathbf{r}_1, \mathbf{r}_2) = \frac{f^{\sigma\sigma'}(\mathbf{r}_1, \mathbf{r}_2)}{\rho^\sigma(\mathbf{r}_1)} = \frac{2\Gamma^{\sigma\sigma'}(\mathbf{r}_1, \mathbf{r}_2)}{\rho^\sigma(\mathbf{r}_1)} - \rho^{\sigma'}(\mathbf{r}_2)$$

$$\int h^{\sigma\sigma'}(\mathbf{r}_1, \mathbf{r}_2) d\mathbf{r}_2 = -1; \quad \int h^{\sigma\sigma'}(\mathbf{r}_1, \mathbf{r}_2) d\mathbf{r}_1 = 0 \quad (4)$$

$$\lambda(\mathbf{A}) = \sum_{ij} (S_{ij}(\mathbf{A}))^2; \quad \delta(\mathbf{A}, \mathbf{B}) = \sum_{ij} S_{ij}(\mathbf{A})S_{ij}(\mathbf{B}) \quad (7)$$

$$\lambda(\mathbf{A}) = \sum_{\mu\nu\lambda\sigma} (D_{\mu\nu}D_{\lambda\sigma} - 2D_{\mu\nu\lambda\sigma})S_{\mu\nu}(\mathbf{A})S_{\lambda\sigma}(\mathbf{A});$$

$$\delta(\mathbf{A}, \mathbf{B}) = 2 \sum_{\mu\nu\lambda\sigma} (D_{\mu\nu}D_{\lambda\sigma} - 2D_{\mu\nu\lambda\sigma})S_{\mu\nu}(\mathbf{A})S_{\lambda\sigma}(\mathbf{B}) \quad (8)$$

The eighth row of the first part of the Table 2 ((a) HF/6-31G*) is missing. The missing row reads $\delta(\text{O}, \text{S})$ 1.380 1.373 1.064.

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