ADDITIONS AND CORRECTIONS

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Jordi Poater, Miquel Solà, Miqel 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

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

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

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

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

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

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