

## Erratum: “The Variationally Orbital-Adapted Configuration Interaction Singles (VOA-CIS) Approach to Electronically Excited States”

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Equation 16 should be:

$$\mathcal{M}(D, A, B, C) \equiv D \cdot (AB^T C + CB^T A)$$

The third equation in eq 17 of our paper should read:

$$\begin{aligned} \langle \Psi^{\bar{I}JK} | H | \Psi^{\bar{I}'J'K'} \rangle &= \sum_{abij} \theta_{bj}^{\bar{I}J} \theta_{ai}^{\bar{I}'J'} \langle \Psi^K | a_j^\dagger a_b H a_a^\dagger a_i | \Psi^{K'} \rangle \\ &= + (t^K \cdot t^{K'}) (\theta^{\bar{I}J} \cdot \theta^{\bar{I}'J'}) E_{\text{HF}} \\ &\quad + (t^K \cdot \theta^{\bar{I}'J'}) (\theta^{\bar{I}J} \cdot t^{K'}) E_{\text{HF}} \\ &\quad - \mathcal{M}(\theta^{\bar{I}J}, \theta^{\bar{I}'J'}, t^K, t^{K'}) E_{\text{HF}} \\ &\quad + (t^K \cdot \mathcal{F}(t^{K'})) (\theta^{\bar{I}J} \cdot \theta^{\bar{I}'J'}) \\ &\quad + (t^K \cdot t^{K'}) (\theta^{\bar{I}J} \cdot \mathcal{F}(\theta^{\bar{I}'J'})) \\ &\quad + (t^K \cdot \theta^{\bar{I}'J'}) (\theta^{\bar{I}J} \cdot \mathcal{F}(t^{K'})) \\ &\quad + (\theta^{\bar{I}'J'} \cdot \mathcal{F}(t^K)) (\theta^{\bar{I}J} \cdot t^{K'}) \\ &\quad - \mathcal{M}(\theta^{\bar{I}J}, \theta^{\bar{I}'J'}, t^K, \mathcal{F}(t^{K'})) \\ &\quad - \mathcal{M}(\theta^{\bar{I}J}, t^{K'}, t^K, \mathcal{F}(\theta^{\bar{I}'J'})) \\ &\quad - \mathcal{M}(\theta^{\bar{I}J}, \theta^{\bar{I}'J'}, \mathcal{L}_{vo}^{vo}(t^K), t^{K'}) \\ &\quad - \mathcal{M}(t^K, t^{K'}, \mathcal{L}_{vo}^{vo}(\theta^{\bar{I}J}), \theta^{\bar{I}'J'}) \\ &\quad + \theta^{\bar{I}J} \cdot (\mathcal{K}_{vo}(t^{K'}, t^K) \theta^{\bar{I}'J'}) \\ &\quad - \theta^{\bar{I}J} \cdot (\theta^{\bar{I}'J'} \mathcal{K}_{oo}(t^{K'}, t^K)) \\ &\quad + \theta^{\bar{I}J} \cdot (\mathcal{K}_{vo}(\theta^{\bar{I}'J'}, t^K) t^{K'}) \\ &\quad - \theta^{\bar{I}J} \cdot (t^{K'} \mathcal{K}_{oo}(\theta^{\bar{I}'J'}, t^K)) \end{aligned}$$

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