

**Erratum: Guaranteed Convergence of the Kohn-Sham Equations  
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After publication, we were made aware that our lemma [Eq. (6)] had been proven in earlier literature, where it was motivated by an algorithm to construct the Kohn-Sham potential for a given density [1,2]. While that application is quite different from ours, the proof and result are the same. We regret the oversight, and thank Prof. Baerends for bringing it to our attention.

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