

**Title: A new proof of the analyticity  
of the electronic density for molecules.**

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Abstract:

We consider the electronic density associated with a bound state of a molecule with fixed nuclei and Coulomb interactions. It is analytic away from the positions of the nuclei. We give a new proof of this fact with the help of the regularity properties of the Coulomb interactions underlined in a paper by Klein-Martinez-Seiler-Wang (CMP 143, no 3, 1992).

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