Abstract Submitted
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A Newtonian Hydrogen molecule JAMES ESPINOSA[1], Rhodes College, JAMES WOODYARD, West Texas A&M University — We will present a model of the hydrogen molecule that utilizes only Newtonian mechanics. First, we will review the electromagnetic force formula of Walter Ritz and adapt it to microscopic phenemena. Its most important attribute for us will be its ability to have two electrons be attracted to each other, something non-Newtonian theories such as Maxwell's is unable to do. This electron attraction will be pivotal to modeling the chemical bond. After this pictorial review, we will present simulation results that model both stability and vibrational frequencies.

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