

Abstract Submitted  
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**Modified Faddeev equation:frequently asked questions** CHI YU HU, ZOLTAN PAPP, Department of Physics and Astronomy, California State University-Long Beach — The modified Faddeev equation has a couple of unique characteristics that often concerned the atomic physics community. The effect of the Merkuriev-cut-off parameters on the calculated physical quantities, such as scattering cross sections,electron-positron annihilation in flight, Feshbach resonances will be demonstrated. Using large scale numerical experimentation, we will demonstrate that all these physical quantities are insensitive to the Merkuriev's cut-off parameters.

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