### عنوان مقاله:

. Approximate solutions of Klein-Gordon equation with equal vector and scalar modified Mobius square plus Kratzer potentials with centrifugal term

#### محل انتشار:

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#### خلاصه مقاله:

In this study, we present the analytical solutions of Klein–Gordon equation with modified Mobius square plus Kratzer potential. The energy spectrum and wave functions are obtained via the parametric Nikiforov–Uvarov (NU) method by assuming equal scalar and vector potential. The non relativistic limit is obtained and numerical results are presented. In addition, the energy eigenvalues are obtained for special cases of this potential. Our results show that energy decreases with the screening parameter

# كلمات كليدى:

Klein-Gordon equation, Nikiforov- Uvarov method, modified Mobius square potential, Kratzer potential

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