## Bohr Hamiltonian with Hulthén Plus Ring-Shaped Potential for Triaxial Nuclei with Deformation-Dependent Mass Term

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In this work, we solve the eigenvalues and eigenvectors problem with the Bohr collective Hamiltonian for triaxial nuclei within deformation-dependent mass formalism. We shall call the solution developed here Z(5)-H-DDM. Analytical expressions for spectra and wave functions are derived by means of a recent version of the asymptotic iteration method. The excited collective energies of nuclei and B(E2) transition rates are calculated and compared with the experimental data and whith the model Z(5)-H, as well as theoretical predictions of other models.