

# **Simple Astrophysical Simulations for Collisionless Stellar Systems**

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Simple astrophysical simulations for stellar systems which are assumed to be collisionless have been studied using N-body simulation technique. Physical entities such as potential-density pair profiles for the dark halo and stellar bulge have been simulated and some interesting remarks are given.

Keywords: collisionless stellar systems, N-body simulation, stellar disk, dark halo, stellar budge

