

MULTIPOLE EXCITATIONS
IN AN ASYMMETRIC NUCLEAR FERMI GAS

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S u m m a r y

Dipole and quadrupole excitations of a neutron-proton finite Fermi gas are considered within the semiclassical approach based on a kinetic equation. The independent-particle dipole and quadrupole force functions connected with external fields, which are exploited in quantum RPA approaches for studying the isoscalar and isovector resonances in nuclei, are found.