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QUADRUPLED ION TRAPS WITH SPHERICAL AND GEOMETRIES OPTIMIZATION

HoushyarNoshad

Amirkabir University of Technology, Iran

uadrupole ion traps with spherical as well as cylindrical geometries are designed and analyzed. For this purpose, an optimization Quadrupole for traps with spire local as well as symbol german spire local as well as symbol german validation, three stability regions computed for these optimized geometries are compared with those obtained for a guadrupole Paul trap, and excellent agreements are found. The spherical and cylindrical traps have some advantages in comparison with the hyperbolic Paul trap.

hnoshad@aut.ac.ir

