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RESEARCH NOTES

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秦明 pintociacy, Geers formula to destruct the viscous drag force, a more complete motion equation for a charged microparticle levitated in an electrodynamic balance (EDB) has been put forward and solved numerically by the classic Runge.

Kutta method in this paper. The threetical results have firstly demonstrated the existence of the particle oscillations and their characteristics, repeating of the springpoint oscillation at large amplitude. And through the comparisons of theoretical and experimental trajectories, the adopted motion equation has proved to be able to rigorously describe the particle motion in such experimental experimental experimental continuously and the deviations of amelituris can incusive the particle motion in such experimental experimental experimental registeries, the adopted motion equation has proved to be able to rigorously describe the particle motion in such experimental experimental registeries, the adopted motion equation has proved to be able to rigorously describe the particle motion in such experimental experimental registeries, the adopted motion equation has proved to be able to rigorously describe the particle motion in such experimental experimental registeries, the adopted motion equation has proved to be able to rigorously describe the particle motion in such experimental experimental registeries, the adopted motion equation has proved to be able to rigorously describe the particle motion in such experimental registeries, and the deviations of motion equation in such experimental registeries, and the deviation of the specimental experimental registeries.

Numerical Simulation of Single Microparticle Trajectory in an Electrodynamic Balance
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Key words electrodynamic balance; microporticle oscillation; trajectory; numerical simulation

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