

Bioparticle deposition at a stratospheric altitude

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Understanding the dynamics of a bioparticle in the stratosphere is important to discuss astrobiological subjects such as the possibility of panspermia or the survivability of microbes in an extraterrestrial environment. In this presentation, the motion of a particle controlled by the gravity, air resistance, solar light pressure, the gravitational effect from the sun, and the photophoresis force with various diameters, densities, and drop heights will be discussed.

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