

1. Drag force acting on a spherical particle in flow, expression of sinking velocity
2. How can be expressed the influence of particles in momentum equation of gas, conditions of neglect of the effect of particles on gas flow
3. Dimensionless momentum equation of particles in gas flow, motion of particles in gas in case of curved streamlines.
4. Analysis of 3 examples showing the utilisation of momentum of solid particles (e.g. sampling of dusty gas, separation of particles).