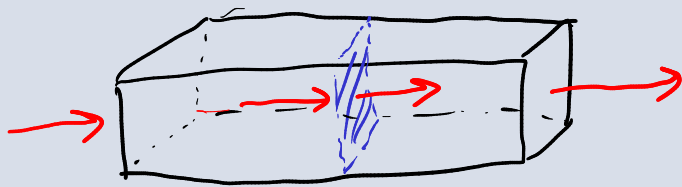


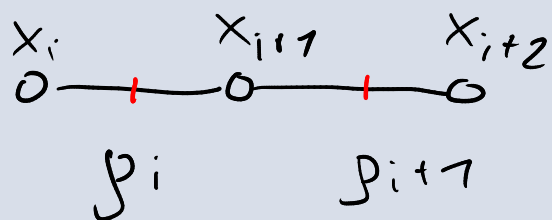
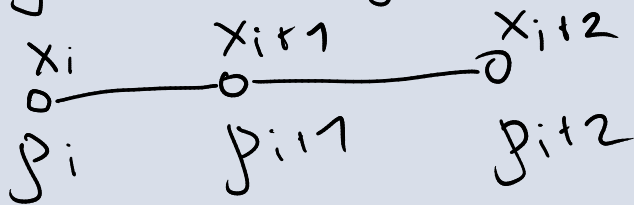
1) Теорема Гаусса — Остроградского

$$\int_V \nabla \cdot \vec{F} dV = \int_S \vec{F} \cdot \vec{n} dS$$



2) М. конеч. объем

$$\rho_t + v \rho_x = 0$$



$$\int_{x_i}^{x_{i+1}} \rho_t dx + v \int_{x_i}^{x_{i+1}} \rho_x dx = 0$$

$$\Delta x \bar{\rho}_t(t, x_i) + v (\rho(t, x_{i+1}) - \rho(t, x_i)) = 0$$