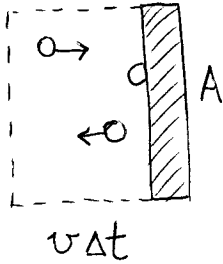


31.)  $m = 5,4 \cdot 10^{-26} \text{ kg}$   $v = 460 \frac{\text{m}}{\text{s}}$   $n = 1,5 \cdot 10^{14} \text{ cm}^{-3}$   
 rugalmas ütközések  $p = ?$

$$\vec{p} = m\vec{v}$$

$$p = \frac{F}{A}$$

$$\vec{F}_e = \frac{d\vec{p}}{dt}$$



$$|\Delta\vec{p}| = 2m\upsilon N$$

$$N = nV = nA\upsilon\Delta t$$

$$p = \frac{F}{A} = \frac{\frac{|\Delta\vec{p}|}{\Delta t}}{A} = \frac{2m\upsilon nA\upsilon\Delta t}{\Delta t A} = 2mn\upsilon^2$$