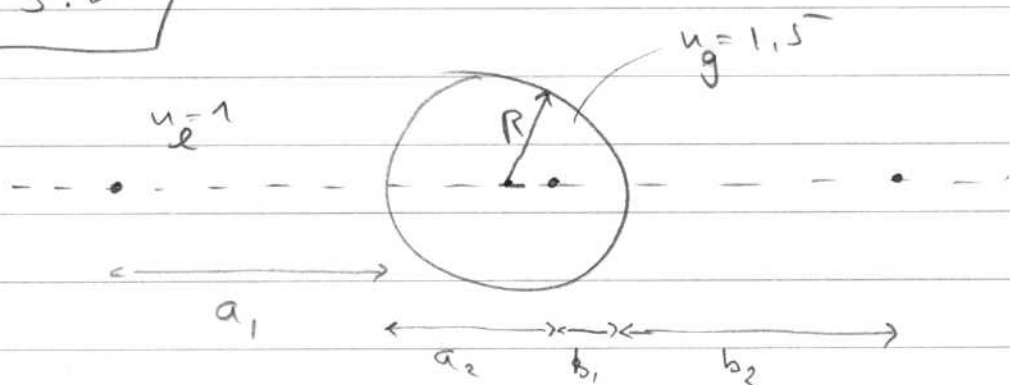


5.8



$$R = \frac{20 \text{ cm}}{2} = 0,1 \text{ m}, \quad a_1 = 1,2 \text{ m}, \quad b_2 = ?$$

Brünnens : Pö-Öla ylam :

$$\frac{n_e}{a_1} + \frac{n_g}{a_2} = \frac{n_g - n_e}{R_1}$$

$$\frac{1}{1,2} + \frac{1,5}{a_2} = \frac{0,5}{+0,1} = 5$$

$$\Rightarrow a_2 = 0,36 \text{ m}$$

$$\text{Geometris} \Rightarrow a_2 + b_1 = 2R$$

$$\Rightarrow b_1 = -0,16 \text{ m}$$

Andra ylam :

$$\frac{n_g}{b_1} + \frac{n_e}{b_2} = \frac{n_e - n_g}{R_2}$$

$$\frac{1,5}{-0,16} + \frac{1}{b_2} = \frac{-0,5}{-0,1} = 5$$

$$\Rightarrow \underline{b_2 = 0,070 \text{ m}}$$