Exercise 3	**Acoustic resonance**		*Theory:*
Team:	Name:		*Experiment:*
Date:	Weeks day and hour:	Major, group:	*Remarks*

- *Molecular mass O_2 = ... , N_2 = ... , Ar = ... , CO_2 = ... ,*
- *Universal gas constant R = ...*
- *Relation between speed and period of wave: .....*
- *One-parameter linear regression and its uncertainty.....*

.....

- *Equation for κ from equation (1) in Manual: ….....*
- *Equation for i from equation (2) in Manual: ….....*

Table 1.

f [ ]	1/f [ ]	Water height [ ]	$\lambda_m/2$ [ ]	λ_m [ ]

Linear regression parameters a= ....., Δa=.....

Speed of sound in measured gas: v = ... ± ..... [ ]

κ = ... ± ..... [ ]

i = ... ± ..... [ ]