Team:	Name:	me:					
Date:	Weeks day and hour:	Major, group:	Remarks				
The equation	n for resistivity basea	l on the geometric di	mensions and resistance				
How to calcu	late two-parameter linear	regression coefficients and	d their uncertainty:				
How to calcu	late α with use of two-par	rameter linear regression c	oefficients:				
		cameter linear regression c					
How to calcu		ea and total wire length, if					
How to calcu	late wire cross-section are	ea and total wire length, if					
How to calcudiameter and	late wire cross-section are k	ea and total wire length, if	wire diameter, spring				

Temperature coefficient of resistance

Theory:

Fill the Table 1 with measured voltage, current and temperatures.

Exercise 4B

Temperature measurements									
U[]	I []	T_1, T_2, T_3, \dots []	T (average)	R []					

D14	£ 1:		4:4:	-CD	T1 - 4.
Results of	or iinear	regression	estimation	or κ	VS I d DIOT:

$$a = \dots \pm \dots \pm \dots$$
 [] $b = \dots \pm \dots \pm \dots$ []

Fill the Table 2 with measured wire parameters and calculated wire area, wire length, resistance in room temperature, resistivity, temperature coefficient of resistance and their uncertainties. In the column headers, type appropriate units.

Table 2	Wire parameters							Resistivity		TC					
Quantity, units:	d []	D []	n []	s []	<i>l</i> []	R ₀ []	ρ[]	α[]
Value															
Uncertainty															

Conclusions: