

TU-Physik-Praktikum Calculation/Propagation of errors

(Topic "Calculation and specification of errors":

arithmetic average, standart deviation of the arithmetic average, linear regression, error propagation, significant decimal places)

Example: Survey of pages

- Tasks:
- a. What is the thickness of a single page? What is the thickness of the cover?
 - b. What is the volume of a single page? What is the volume of 100 pages?

All results must be given with the corresponding errors

Measurement to be conducted

Number and thickness of the pages

a.	m, Number of the pages (one page has front and back)	25	50	75	100	125
	Thickness of the cover and m pages [mm]					

Width and length of a single page

b.		1. measurement	2. measurement	3. measurement	4. measurement	5. measurement
	Length of a single page [mm]					
	Width of a single page [mm]					

