

Evaluation of measurement data (exercise)

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I. task

- In a factory producing cans in series, control measurements were made regarding the volume of the produced cans.
- Based on the measurement data, determine the volume of the cans and its error!
- Also check whether the measurement data contains a gross error or not!

2. task

- The diameter of a copper ball is measured at different temperatures. Based on the measured data, determine the linear thermal expansion coefficient of copper, as well as the relative uncertainty of the measurement!