Measurement in Technology
Exercises from the multimedia courseware METROMEDIA-ONLINE

Contributions by individual authors, compiled by
EVA KUREKOVÁ — PETER GABKO — MARTIN HALAJ
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The publication is structured in two parts, containing exercises for 19 modules, which were prepared by leading experts coming from the European Union countries. The first part contains only tasks of individual exercises; the second part contains exercises with the step-by-step solutions.

Content

* Quantities and units
* Measuring principles
  Measuring instruments
* Physical principles of sensors
* Imaging and computer vision
* Measurement of temperature
* Pressure measurement
* Measurement of flow rate, delivered amount of liquid and a flow velocity
* Measurement of level
* Measurement of length, position, dimension
* Measurement of angle
* Measurement of frequency of rotation
* Measurement of humidity
* Measurement of force
* Measurement of voltage
* Measurement of current
* Design of experiment (measurement)
* Uncertainty of measurement
* Measurement management systems

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Contributing authors

Dr. Martin Halaj
Slovak University of Technology in Bratislava, Slovak Republic
modules m1, m6, m15, m16, m17

Prof. Dietrich Hofmann
Studien-Transfer-Zentrum für Qualität, Assuranz & Messung
Germany, Sec GmbH
modules m2, m3

Prof. Evžena Králová
Slovak University of Technology in Bratislava, Slovak Republic
modules m4, m20

Zuzana Pencíková, M.Sc.
Slovak University of Technology in Bratislava, Slovak Republic
modules m2, m19

Prof. Rudolf Palkovský
Slovak University of Technology in Bratislava, Slovak Republic
modules m25

Prof. Paul P. J. Regelstein
University of Twente, Enschede, The Netherlands
modules m3, m7, m8, m9, m17