

Zusätzliches Material zu Arbeitsblatt 2 /
Additional material to worksheet 2
Wortschatzliste Blockschaltbild/Vocabulary list block diagrams
Mechatronik/ Mechatronics



This vocabulary list may be given to the students with worksheet 2.

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|---|---|
| Wirkungsplan / Blockdiagramm / Blockschaltplan / Blockschaltbild | action diagram, block diagram |
| Block Übertragungsglied | functional block transfer element |
| Wirkungslinie Wirkungsrichtung | action line direction of action |
| Additionsstellen Verzweigungen Vergleichsstelle | summing point branching point set-point, comparator |
| Regeln Regelung, Regelkreis | closed loop control control loop |
| Steuerung | open loop control |
| Regelgröße x Istwert | controlled variable y desired value |
| Führungsgröße w Sollwert | reference variable r set value |
| Störgröße z Last | disturbance variable d load |
| Stellgröße y (auch m) | manipulated (correcting) variable m |
| Regeldifferenz e = $w - x$ oder auch $e = w - r$ r = Rückführgröße | error variable e deviation |
| Rückführgröße | feedback |
| Regler K | controller – <i>for closed loop control</i> |
| Stellglied | final controlling element (e.g. with behaviour) actuating element |
| Regelstrecke G | closed loop controlled system |
| Messeinrichtung | measuring device, measuring system measuring equipment, measuring facility |
| Beziehung | relationship |
| Überblick | overview of sth. |

