

Sensores y Laboratorio 2019-I

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[illegible]

Sensor Characteristics

Span (Full-Scale Input)

Full-Scale Output

Accuracy

Calibration Error

Hysteresis

Nonlinearity

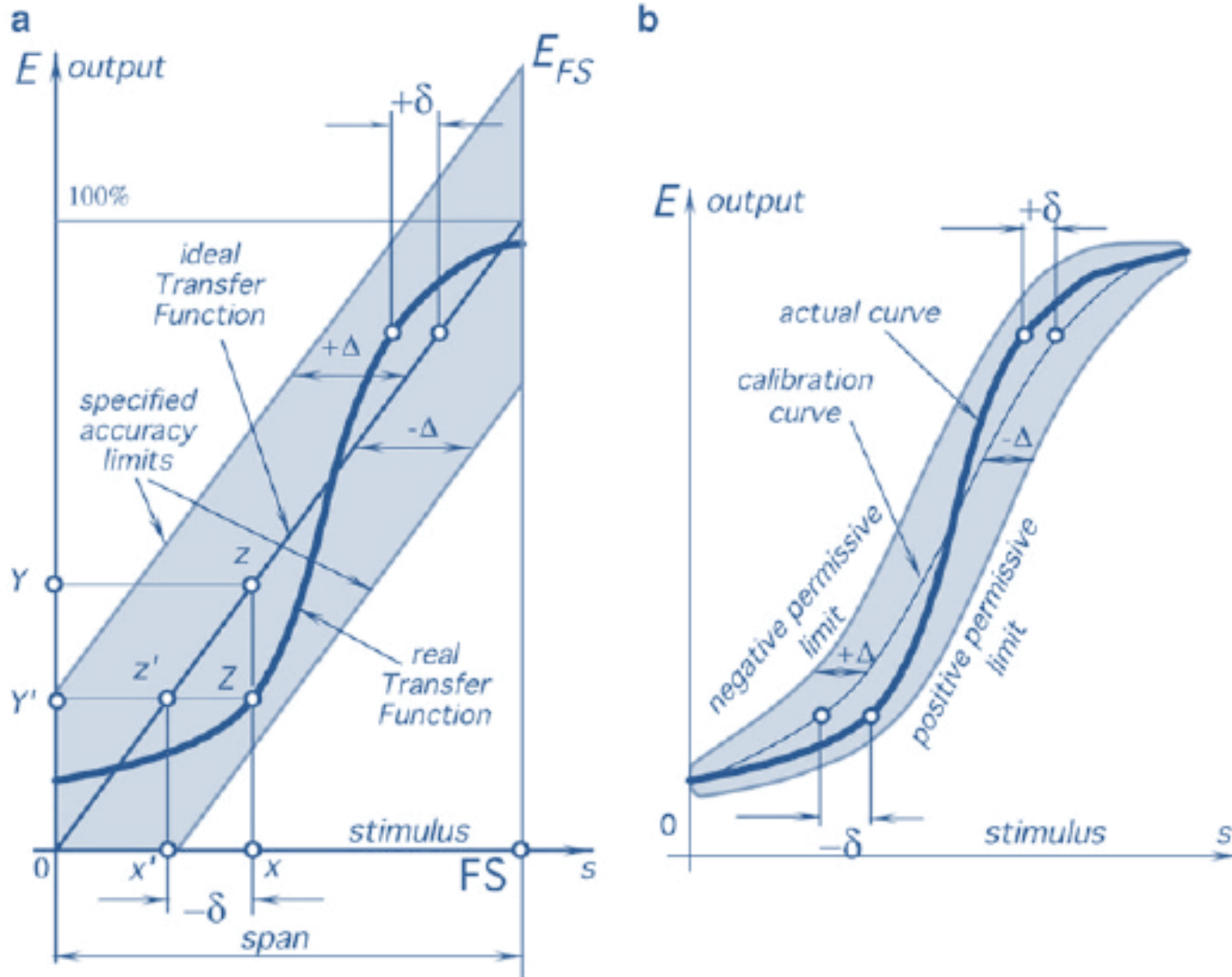
Saturation

Repeatability

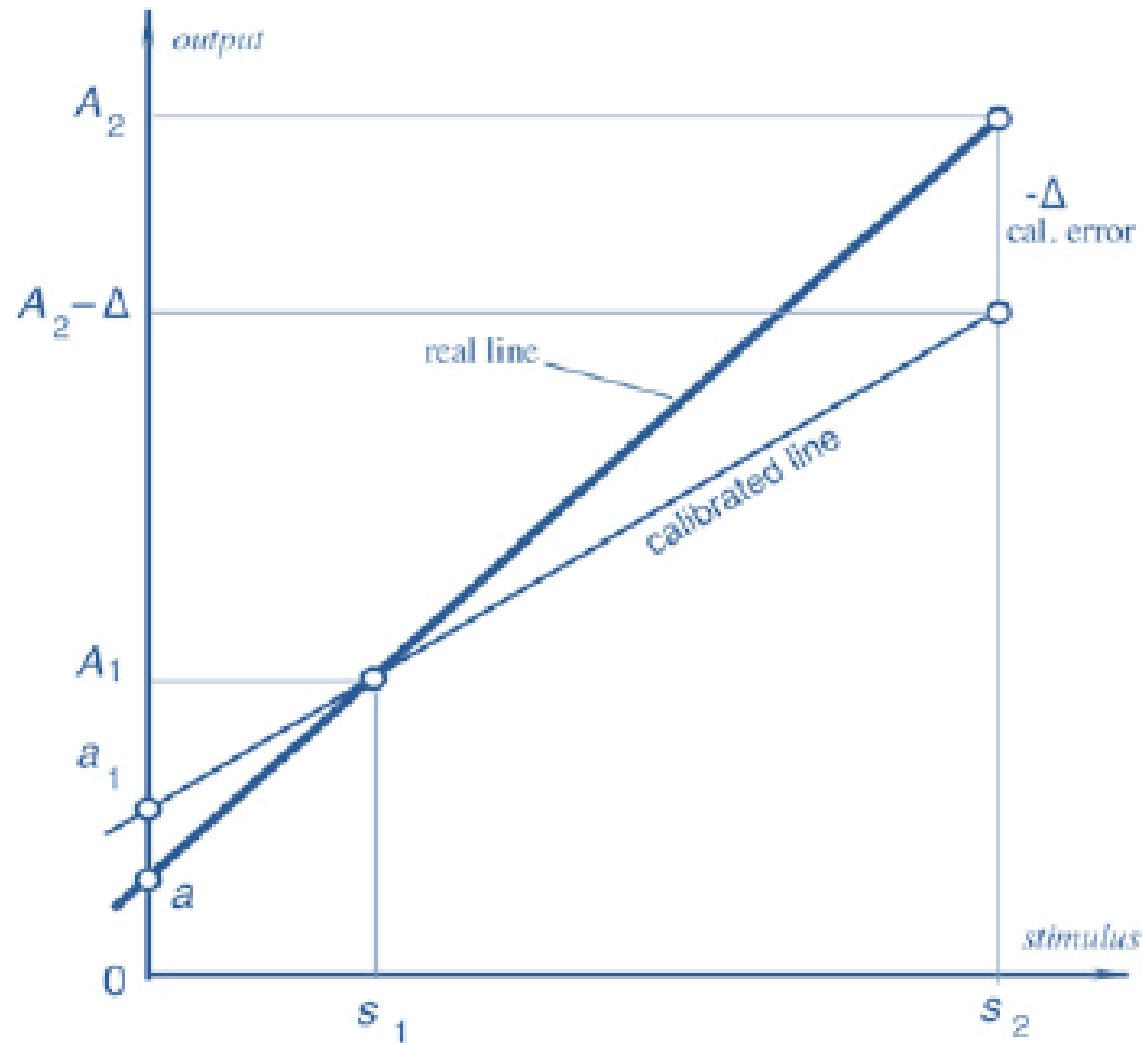
Dead Band

Resolution

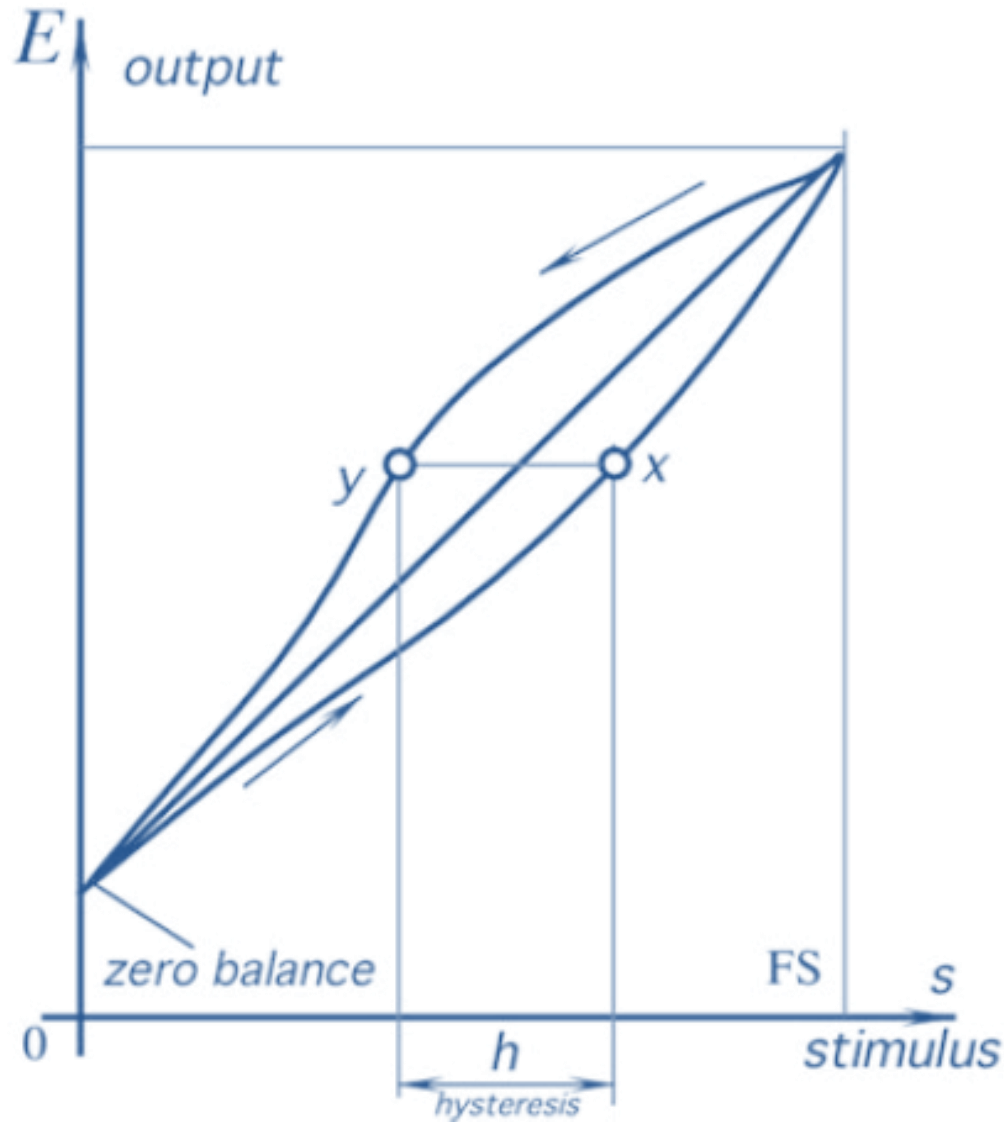
Sensor Characteristics



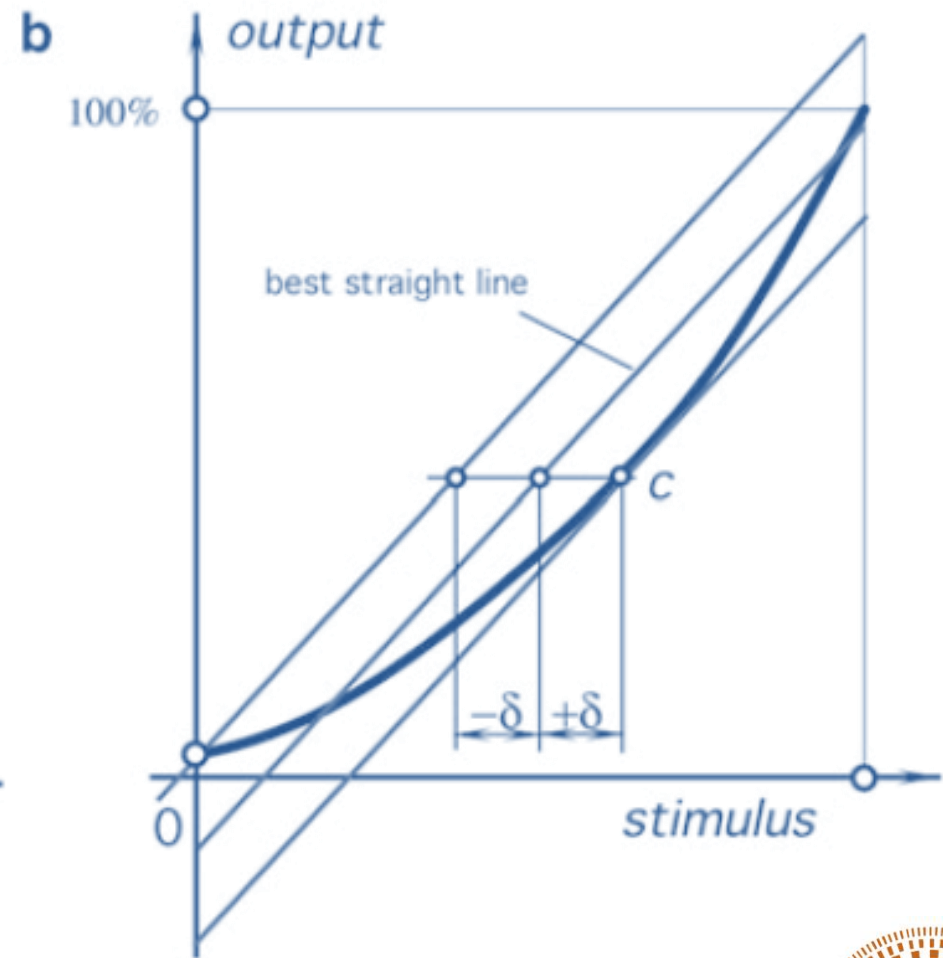
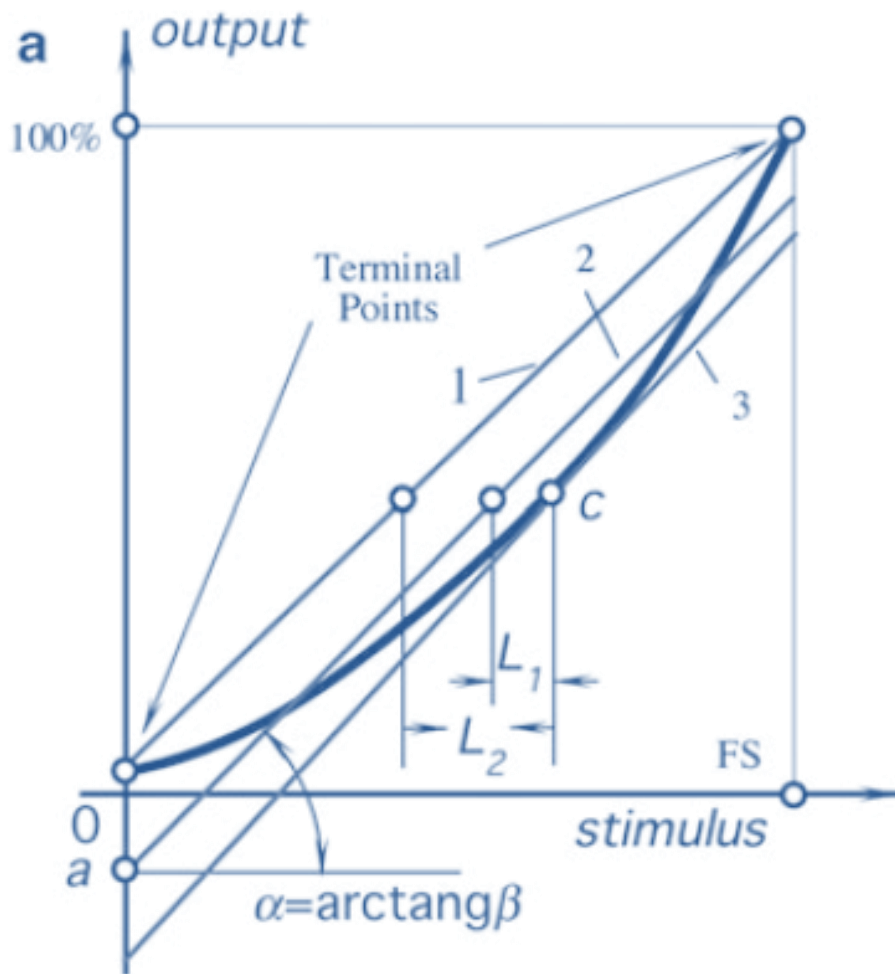
Sensor Characteristics



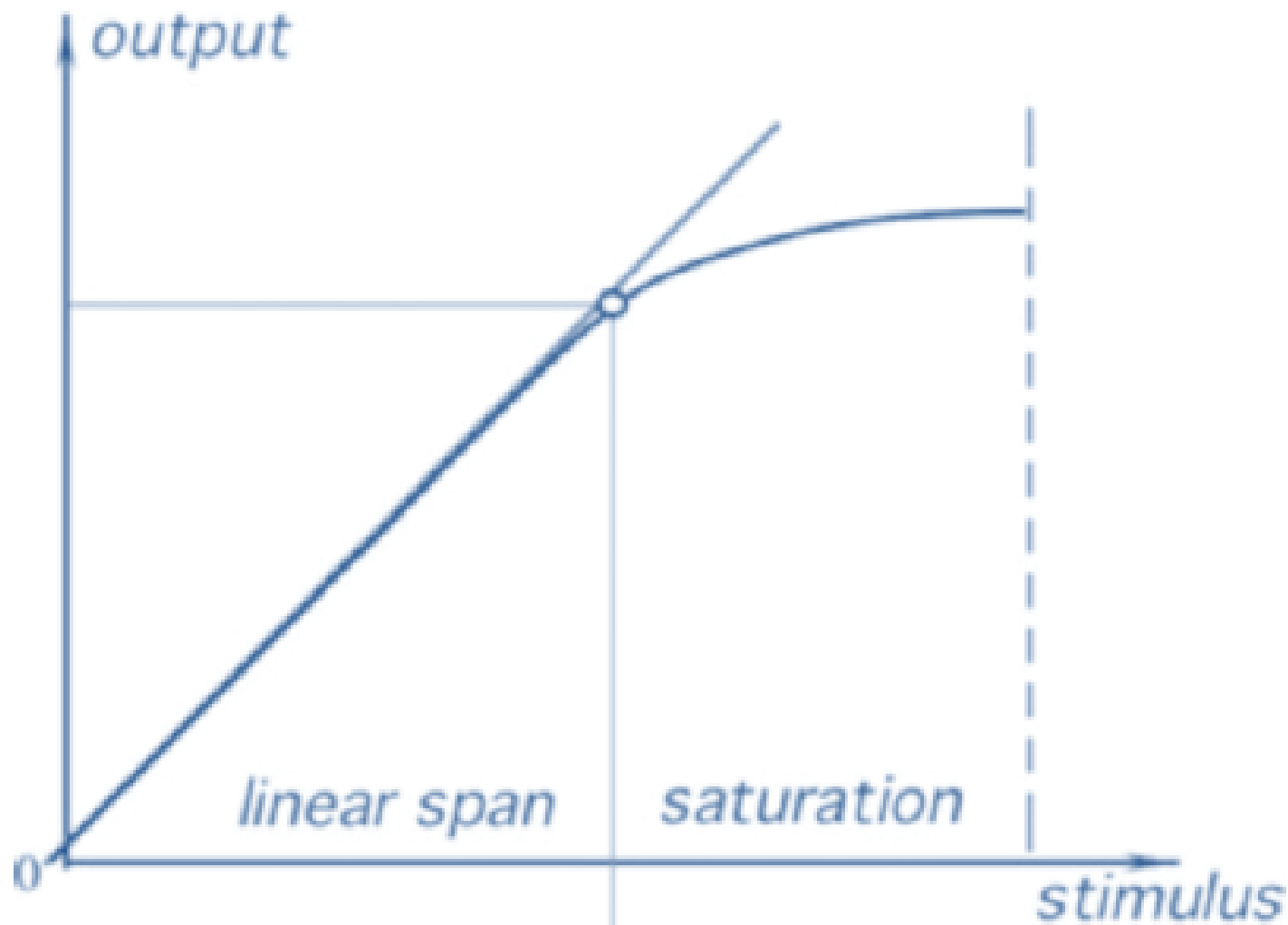
Sensor Characteristics



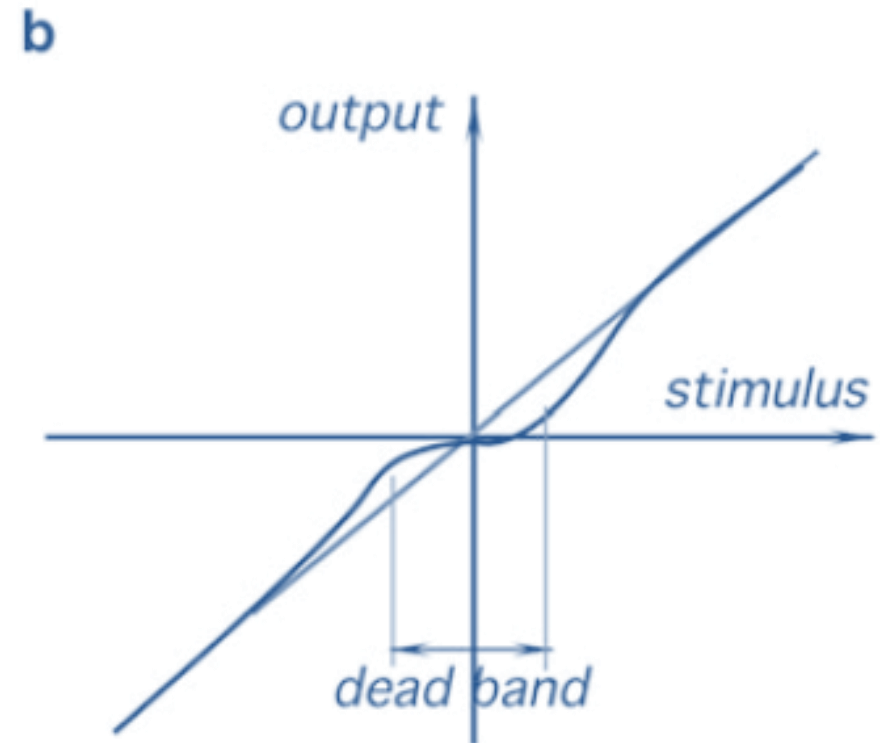
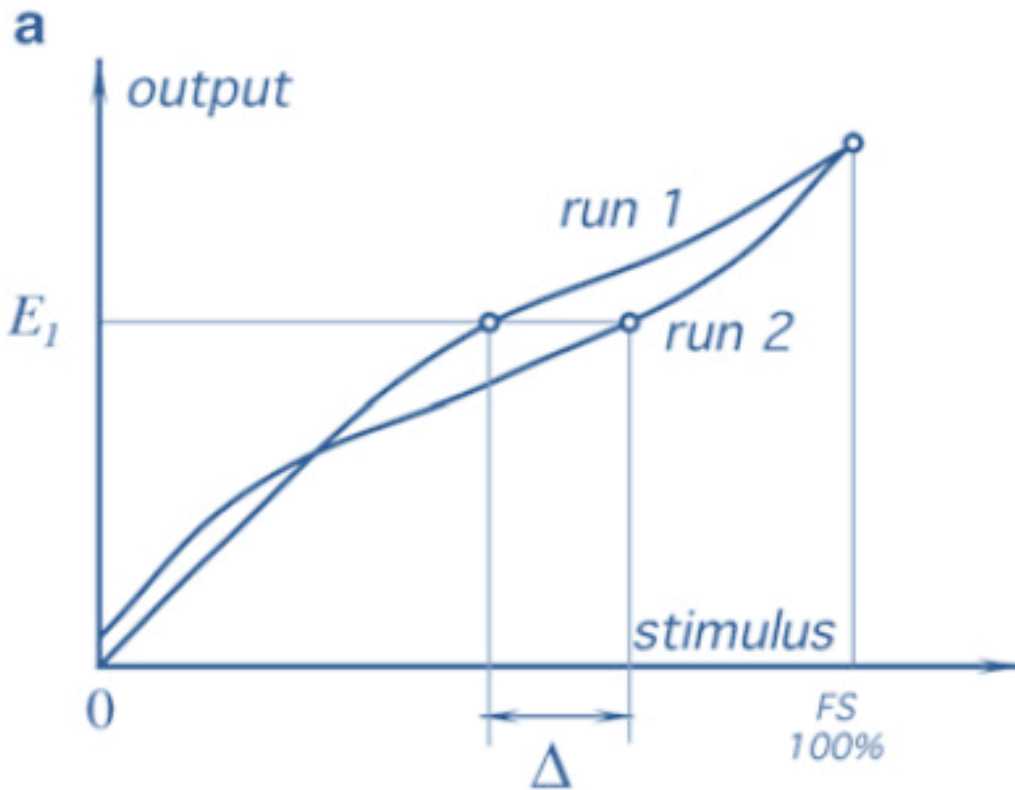
Sensor Characteristics



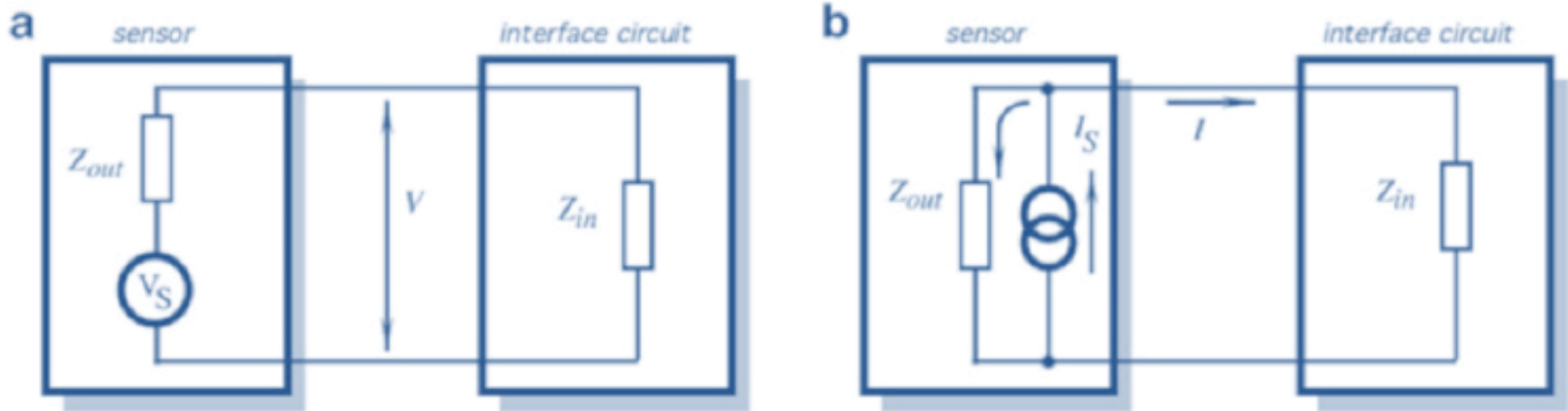
Sensor Characteristics



Sensor Characteristics



Output Impedance



Dynamic Characteristics

Zero-Order

First-Order

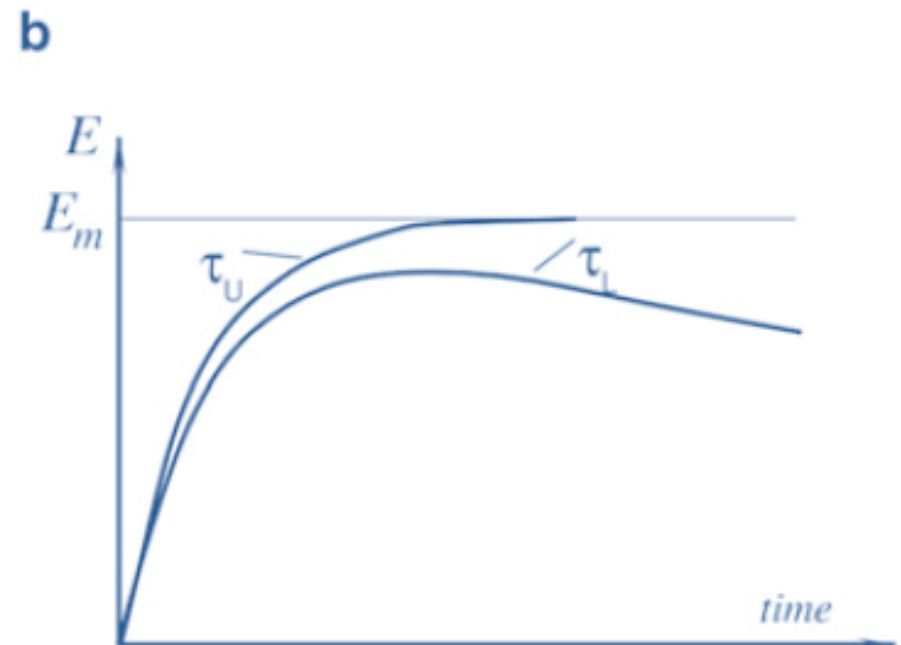
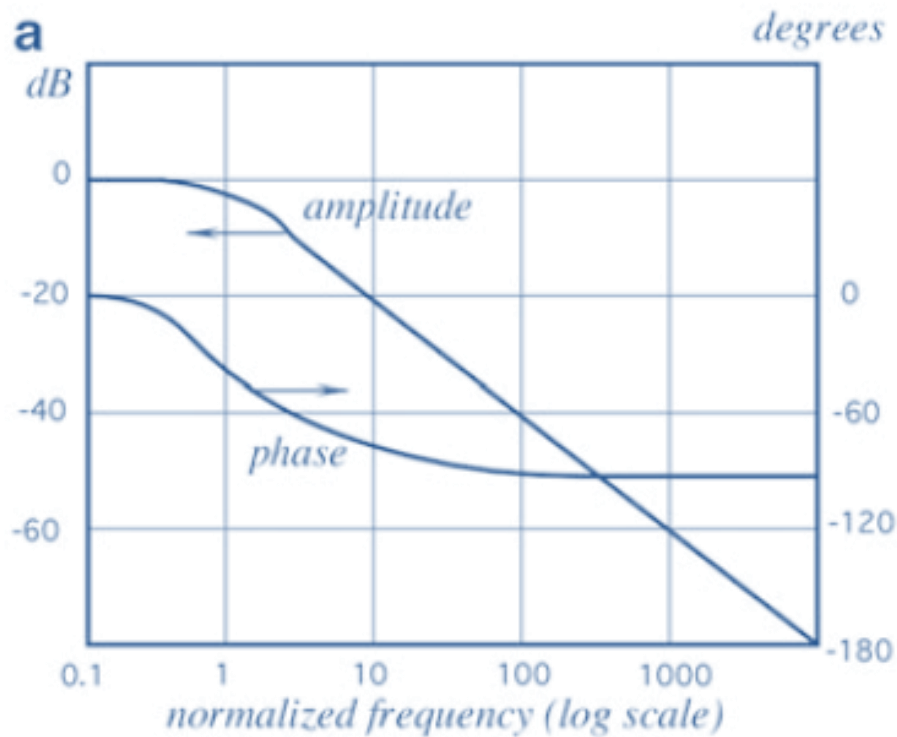
$$b_1 \frac{dE(t)}{dt} + b_0 E(t) = s(t)$$

Second-Order

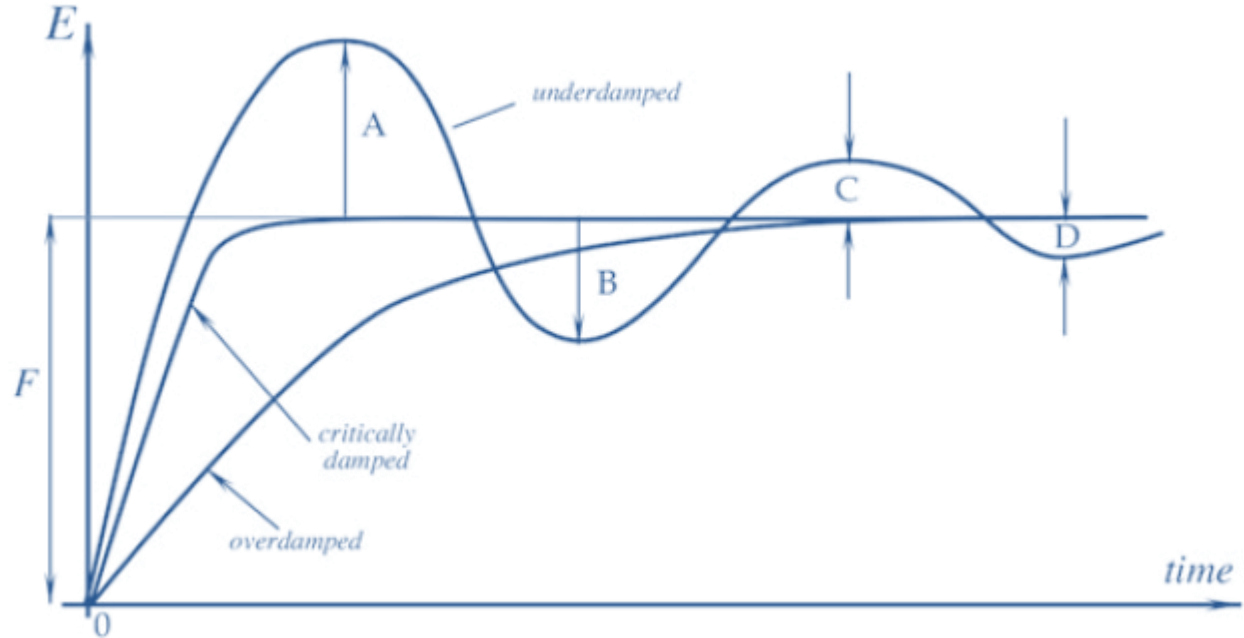
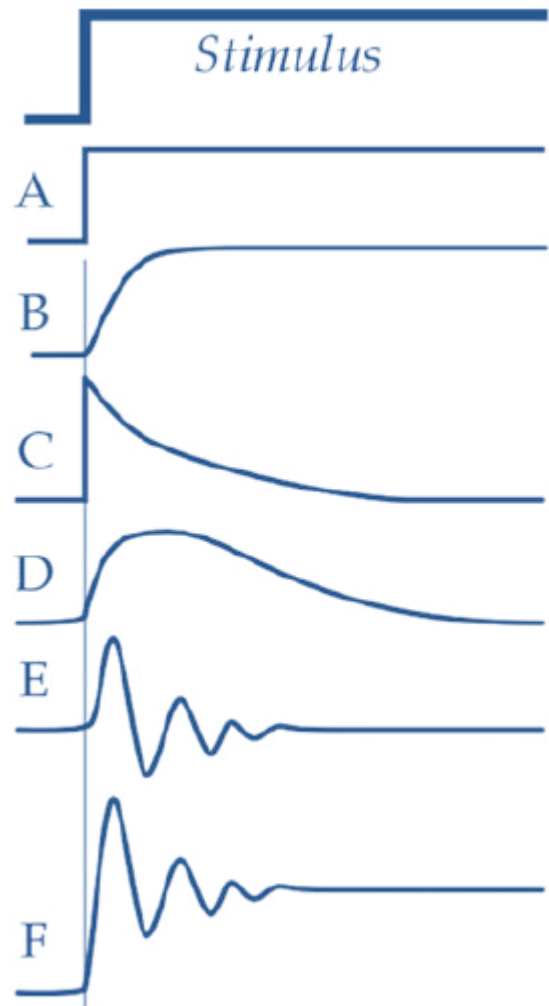
$$b_2 \frac{d^2 E(t)}{dt^2} + b_1 \frac{dE(t)}{dt} + b_0 E(t) = s(t)$$

Dynamic Characteristics

First-Order



Second-Order



Dynamic Characteristics