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## APPLICATIONS OF REGRESSION METHODS TO HUMIDITY SENSORS CALIBRATION

**ABSTRACT** *The classical and inverse linear calibration methods based on the regression of  $y$  on  $x$  and the regression of  $x$  on  $y$ , were applied to several humidity sensors. The predicted values for given values of the output value of sensors were calculated, and conclusions concerning the accuracy of prediction were drawn.*

**Keywords:** *humidity sensor calibration, classical calibration method, inverse prediction method.*