

COMPUTER PROGRAM FOR THE DETERMINATION OF THE MEASUREMENT BIAS USING THE CONTROL CHART METHOD

Nicolae EFTIMIE¹

Abstract: *The paper presents a computer program for the determination of the measurement bias, using the Control chart method. The program plots the \bar{x} bar, the R chart and the histogram of the measurements, and calculates: the bias, the repeatability standard deviation, the bias standard deviation and the limits of the confidence interval of the bias. Using these values, the program makes the decision about the acceptability of the measurement bias.*

Key words: *bias, measurement system, computer aided quality.*

¹ Dept. of Manufacturing Engineering, *Transilvania* University of Braşov.