

**VARIANCES AND COVARINCES ASYMPTOTICS OF THE SECOND MOMENTS
SAMPLES IN THE MODEL OF ABSOLUTE STRUCTURAL CALIBRATION
WITHOUT NORMALITY ASSUMPTION**

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- *ABSTRACT: A fact that evidences frequently when works with the calibration models, is the necessity to calculate the hope, the variance and the covariance of the moments samples. Not very rare, the attainment of these measures of position and dispersion, involves expressions that depend on laborious calculations and whose final results they are in the truth asymptotic expressions. In this article, we have as objective main, the attainment of asymptotics expressions, for the measures of dispersion (variance and covariance), in the model of structural calibration without the assumption of normality in the variable and the errors of measures. The results are presented in form of theorems, whose demonstrations take in consideration the calculation of centered moments. The attainment of these statistics is necessary therefore they are incorporated in the expressions of the predictors, classic and inverse in the calibration model.*
- *KEYWORDS: Calibration; asymptotics expressions; predictors.*

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