

**THE VARIATION METHOD
OF ASSESSMENT OF THE DERIVATIVE
AND INTERPOLATION OF SIGNALS
ACCORDING TO THE EMPIRICAL DATA**

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A new technique of the derivative assessment and the interpolation of signals according to the empirical data are considered in the article. The interpolation and the derivative assessment are carried out in the class of entire functions. The variation principle of the minimization of the Euclid norm of the derivative is used for choice of a concrete interpolating functions, the coefficient of the Fure row of the derivate has the limited area of the determining.