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Method of data contraction for digital correction of reading of a measuring system. (Russian)

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Zh. Vychisl. Mat. Mat. Fiz. 28, No. 7, 981-991 (1988).

To improve the exactness of a certain measuring system corrections of the reading are used that reflect the errors in the previous work of the whole system. Usually the correcting functions form a large class F . The author presents a method of data contraction based on the following idea: 1) The set F is divided into subclasses G_1, \dots, G_n . 2) A linear finite dimensional subspace A_i is associated with each G_i . 3) An algorithm is described for approximating any $f \in G_i$ by elements from A_i .

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MSC:

[65D15](#) Algorithms for approximation of functions

Cited in **1** Review

Keywords:

correction of reading; measuring system; correcting functions; data contraction; algorithm