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AUTHOR: (8) Bär, D., ~~Mathematieian~~

TITLE: (6) A practical method for determining the dynamic characteristic values of linear control networks with compensation based on correlation analysis.

PERIODICAL: (15) Zeitschrift für messen, steuern, regeln, no.6, 1962, 251-256

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TEXT: For a network with constant, lumped parameters an approximate method is proposed which yields the solution $g(t)$ of an integral equation describing the dependence of correlation functions upon the weighing function. The method is based on the assumption that the moments of the function $g(t)$ of the control network may be easily obtained from the moments of the correlation functions φ_{yy} and φ_{yx} . The method is applicable for a wide range of networks with

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A practical method for determining the...

compensation. A table providing the parameters of the transfer function is furnished. A numerical example for a control network of the fifth order is given. There are 9 figures and 1 table.

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