G/033/62/000/006/003/004
I004/I204

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

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

PERIODICAL: (5) Zeitschrift für messen, steuern, regeln, no.6, 1962, 251-256

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

G/033/62/000/006/003/004
I004/I204

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.

ASSOCIATION: Institut für Regelungstechnik, (Institute for Control Technology) Berlin