Chub E.G. (Rostov-on-Don, Russia) **Synthesis of a stochastic controllable information-measuring complex.**

For the gyro-stabilizer of the information-measuring complex on the disturbed base [1], it is required to determine the current vector-function of the control moments, which ensures the minimum deviation of the trihedron of the gyroscopic coordinate system with respect to the astronomical coordinate system with minimal costs for the formation of the control vector. A distinctive feature of the solution obtained is the analytical form of the vector of orientation control of the gyrostabilizer of the information and measuring complex, which clearly depends on all its angular parameters. In this case, the computational costs for the synthesis of the control vector are determined mainly by the costs of integrating the system of equations, which can easily be realized by calculators of the information-measuring complex [2].

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