

Methods of coordinated work of the autonomous information control system and the actuation mechanism of a missile charge by means of systematic error reduction

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Methods of coordinated work of the autonomous information control system (AICS) and the actuation mechanism (AM) in the form of a fragmentation-type missile charge are considered. The methods increase charge efficiency for a wide range of missile and target meeting conditions and significantly reduce the systematic errors of AICS operation which determine the width of the cone of scattering of AM striking elements. It is shown that the realization of the methods is possible if the AICS contains several antenna systems, the AM has an n-position switch of initiation points, and there is on-board information about the relative speed.

Keywords: *relative velocity, hodograph of relative velocities, angle of inclination of AICS directional diagram, systematic and random errors, width of a cone of scattering of striking elements.*

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