# Approach and methods for estimating the informative stability coefficient of aircraft flight automated control system

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*The article demonstrates a technical approach to estimation of the informative stability coefficient of the aircraft flight automated control system basing on the analytic hierarchy process. The developed approach makes it possible to evaluate the coefficient of such significant feature as the informative safety of the aircraft flight automated control system and the coefficient of the informational stability integral property of the aircraft flight automated control system in the most accurate and simplest way. The main idea of the proposed approach includes step-by-step main characteristics priority definition using the analytic hierarchy process. We estimate the coefficients values for the characteristics at the bottom of the hierarchy as far as the last are considered to be the most understandable and simplest. Therefore, that allows experts to easily evaluate their coefficients using the analytic hierarchy process.*

***Keywords:*** *hypothesis, control, aircraft, reliability, data preparation, software.*

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