A mathematical model of information and statistical synthesis of unmanned aerial vehicle on the basis of the experimental data

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The article considers the problems of identification of aerodynamic model of unmanned aerial vehicles (UAV) based on the results of wind-tunnel testing, assessment of the completeness of the UAV aerodynamic model as well as statistical analysis of experimental UAV aerodynamic model for the purpose of information and statistical synthesis of the model based on experimental data. The calculation of UAV aerodynamic coefficients is performed.

Keywords: unmanned aerial vehicles, aerodynamic model, information and statistical synthesis, identification, statistical analysis.

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