

# **PHYSICAL FOUNDATIONS OF GAS DYNAMIC METHOD OF CONTROLLING SUBSONIC GAS FETES**

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Making new engineering devices requires a stage of theoretical grounding of the regularity of the claimed indicators being manifested. This stage is particularly important for aircraft engine devices and units as their reliability provides the safety of operating an air vehicle as a whole. The paper offers mathematical and physical grounding of a gas dynamic method of controlling subsonic gas jets based on the use of Coanda effect.