EXPERIMENTAL STUDY OF COMPLEX CURRENTS

(THREE-DIMENSIONAL JET AND BODY WAKE)

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Conducting experimental studies of the heat transfer of a finite size streamlined surface, as well as the study of the development of large-scale formations in complex currents (body wake) and finding general patterns (analogy) of such flows with a three-dimensional free jet. The patterns in the distribution of velocity fields in vortices and vortex clusters in turbulent free three-dimensional jets had been identified as one of the varieties of complex jet streams.

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