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Transactions of the Institute of Fluid-Flow Machinery have primarily been established to publish papers from four disciplines represented at the Institute of Fluid-Flow Machinery of Polish Academy of Sciences, such as:

- Liquid flows in hydraulic machinery including exploitation problems,
- Gas and liquid flows with heat transport, particularly two-phase flows,
- Various aspects of development of plasma and laser engineering,
- Solid mechanics, machine mechanics including exploitation problems.

The periodical, where originally were published papers describing the research conducted at the Institute, has now appeared to be the place for publication of works by authors both from Poland and abroad. A traditional scope of topics has been preserved.

Only original and written in English works are published, which represent both theoretical and applied sciences. All papers are reviewed by two independent referees.

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CONTENTS

Mikielewicz J.: In Memoriam – Professor Zbigniew Bilicki	3
Topolski J. and Badur J.: Comparison of the combined cycle efficiencies with different heat recovery steam generators	5
Antas S., Chmielniak T., and Kujda J.: A method for calculation of characteristics of one-stage and two-stage axial-flow turbines	17
Gnieszin V. and Rządkowski R.: 3D inviscid flutter of IV Standard Configuration. Part I. Harmonic oscillations	37
Rządkowski R. and Gnieszin V.: 3D inviscid flutter of IV Standard Configuration. Part II. Coupled fluid-structure oscillations	51
Mosdorf R.: The mechanism of generation of chaotic fluctuations of heating surface temperature in nucleate boiling	73
Korczak A.: The laminar flow of liquids in a flat-wall face clearance with a variable width between stationary and rotating rings ..	89
Ihnatowicz E. and Trela M.: Investigations of instability of liquid jets emanating from nozzles into ambient air – Part I	109
Ihnatowicz E. and Trela M.: Investigations of instability of liquid jets emanating from nozzles into ambient air – Part II	133