

	page
AL BABA H., GHOSH A., MUHA B., NEČASOVÁ Š.: Note on The Mathematical Analysis of The Motion of a Rigid Body in a Generalized Incompressible Navier - Stokes Fluid	1
CAGGIO M., SCHIAVON M., TAMPIERI F., BODNÁR T.: Second-Order Model for Atmospheric Turbulence without Critical Richardson Number	8
ČÍŽEK M., POPELKA L., VAMPOLA T.: Labyrinth Seal Total Temperature Investigation	16
CHASHECHKIN Y. D.: Dynamics, Energetics and Fine Structure of a Drop Impact Flow	24
DIMITRIEVA N.: Numerical Simulation of the Problem of Blowing Gas into a Liquid Flow	32
DROBNY A., FRIEDMANN E.: Finite Element Simulation of Viscoelastic Fluid-Structure Interaction	40
DUDA D.: How Manufacturing Inaccuracies Affect Vortices in an Airfoil Wake	48
FACCANONI G., GALUSINSKI C., LAMERAND L.: Thermal Diffusion and Phase Change in a Heat Exchanger	56
FLÍDR E., KLADRUBSKÝ M., JELÍNEK T.: Kinetic Energy Dissipation Due to a Finite Thickness of a Blade Trailing Edge	65
KINCL O., PAVELKA M., MARŠÍK F., SEDLÁČEK M.: How Sedláček's Bladeless Turbine Works?	70
KUBÍČKOVÁ L., ISOZ M., HAIDL J.: Increasing Ejector Efficiency via Diffuser Shape Optimization	79
LANCMANOVÁ A., BODNÁR T.: Steady Incompressible Flow through a Branched Channel	87
MUSIL J., PŘÍHODA J., FÜRST J., LUXA M., ŠIMURDA D.: Comparison of Transonic Flows Through Two Tip-Section Turbine Blade Cascades with Different Flat Profiles	95

PIRES M., BODNÁR T.: Numerical Tests of Vanishing Diffusion Stabilization in Oldroyd-B Fluid Flow Simulations	102
SKÁLA V.: Boundary Layer on the Flat Plate with Roughness Strip	110
SOMAN S., NAIR P.P., SURYAN A.: A Study on the Flow Physics of Altitude Adaptive Nozzles	116
ŠOUREK M., ISOZ M.: Recent Improvements in CFD Solver for Fully Coupled Particle-Laden Flows	124
SVÁČEK P.: Finite Element Approximation of Aeroelastic Problems with Consideration of Nonlinear Effects Due to Large Displacements	132
VALÁŠEK J., SVÁČEK P.: Finite Element Approximations of Fluid-Structure Interaction Problems: Numerical Analysis of Three Approaches of Aerodynamic Forces Evaluation	140
VOMÁČKO V., ŠIDLOF P., ŠIMURDA D., HÁLA J.: CFD Analysis of Flow in a Blade Cascade Deformed Due to Forced Torsional Vibration	149