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# Mathematical Topics in Fluid Mechanics

Volume 1 Incompressible Models

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and heat conducting gas A brief account of Professor Kazhikhov s contributions to science is provided in the following article Scienti c portrait of Alexander Vasil evich Kazhikhov This volume is meant to be an expression of high regard to his memory from most of his friends and his colleagues In particular it collects a selection of papers that represent the latest progress in a number of new important directions of Mathematical Physics mainly of Mathematical Fluid Mechanics These papers are written by world renowned specialists Most of them were friends students or colleagues of Professor Kazhikhov who either worked with him directly or met him many times in o cial scienti c meetings where they had the opportunity of discussing problems of common interest

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