PHYSICS OF IONIZED GASES 1972

Edited by: M. V. Kurepa



INSTITUTE OF PHYSICS, BEOGRAD, YUGOSLAVIA

## PHYSICS OF IONIZED GASES 1972

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#### PREFACE

This book contains invited lectures given at the VI Yugoslav Symposium and Summer School on the Physics of Ionized Gases, held in Miljevac by Split, Yugoslavia, in July 1972. This summer meeting of physicists working in the field of the physics of ionized gases was sponsored by Republic Councils of Scientific Research of Socialist Republics of Yugoslavia. The Institute of Physics, Beograd as the organizing institution of the meeting gave me all the support necessary during the preparation of the manuscript and the printing of this book. For the last stage, a financial support was also given by the Institute.

The edition of this book was made possible by the courtesy of the lecturers who kindly handled their manuscripts to the editor's disposal and to whom I express mine particular thanks. As the proofs of lectures which had to be retyped were not sent to the authors, the editor is therefore responsible for possible misprints and mistakes.

I believe that the book containing contributions of our distinguished invited lecturers will be valuable as a source book of the current knowledge in both the Physics of Ionized Gases, and the supporting fields of Atomic Collisions Physics and the Physics of Particle Interaction with Surfaces. I hope that for many graduate students this book will be helpful in the beginning of their professional career, and for experts it will be a possibility to improve the knowledge on particular subjects.

I would like to express my thanks to Mrs. M.Radosavljević and Mrs. J.Prodanović for making an excellent job of typing the text in an extremely short time period. My thanks are due also to Mr. D.Kosanović, the Menaging Director of the Institute of Physics, in helping me during the preparation of the book and its printing.

Beograd, Yugoslavia December 1972.

#### Milan V. Kurepa



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