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PREFACE

On the occasion of the 50th anniversary of the discovery of the Schrödinger equation a small symposium was organized in Vienna. It had mainly retrospective character, where after an appreciation of Schrödinger's scientific achievements the results were collected which one could extract from his equation. Of course not all the developments which originated in Schrödingers discoveries could be included. Instead, it was attempted to present a review of the established predictions which follow directly from his equation. Despite the 50 years of its existence there are always new results of this sort being found, especially because the necessary mathematical methods are being developed and become known to the physicists slowly only now.

I want to take the opportunity here to thank the lecturers for their efforts which they put into their excellent talks and their written versions. With their help this volume should become a useful document on the current mathematical art in the treatment of the Schrödinger equation.

Finally it is my pleasant obligation to thank the Bundesministerium für Wissenschaft und Forschung and the Kulturamt der Gemeinde Wien for their financial support which made it possible to honor one of the great Austrian scientists.

W. Thirring