

Preface

The volume consists of articles written by eminent scientists from the international mathematical community, who present important research works in the field of Mathematical Analysis and related subjects, in particular, in Functional Equations and Inequalities. These works provide an insight in a progress in the study of various problems of nonlinear character.

Several of these results have been influenced by the work of the well-known mathematician and physicist Stanisław Marcin Ulam (April 3, 1909 to May 13, 1984). An emphasis is given to one of his questions concerning approximate homomorphisms.

The book is dedicated to the memory of Ulam on the occasion of the 100th anniversary of his birth.

It is divided into two parts. Part I focuses on several aspects of the Ulam stability theory. Part II contains papers on various subjects of Mathematical Analysis.

It is a pleasure to express our deepest thanks to all of the mathematicians who, through their works, participated in this volume.

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Athens and Cracow

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