

Themistocles M. Rassias
Editor

Current Research in Nonlinear Analysis

In Honor of Haim Brezis and Louis Nirenberg

 Springer

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*Dedicated to Professors Haim Brezis and
Louis Nirenberg with deep admiration*



Haim Brezis and Louis Nirenberg in a mathematical discussion, Jerusalem, January 2002. By the courtesy of Rachel S. Brezis

Preface

Nonlinear Analysis: In Honor of Haim Brezis and Louis Nirenberg focuses on various important areas of mathematical research that have been either introduced, inspired, or influenced by two pioneering researchers of contemporary nonlinear analysis, who greatly contributed to shaping this field. The contributed papers have been written by eminent experts from the international mathematical community. These works broaden our understanding of several theories, methods, and techniques which have been found very applicable toward the solution of several important problems, some of which had resisted solution for long stretches of time. Some of these papers have been contributed by former students of these two influential mathematicians. This volume serves as a tribute to Brezis and Nirenberg for their great service to mathematical analysis and its applications.

I feel very grateful to all the mathematicians who enthusiastically responded with their contributing chapters in this publication. I would also like to acknowledge the superb assistance of the staff of Springer for the production of this volume.

Athens, Greece

Themistocles M. Rassias

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