

Preface

This volume contains contributions to the conference on Constructive Theory of Functions that took place in Varna, June 1–7, 2005. The articles cover a wide range of topics in the classical approximation theory, Fourier series, extremal problems, modulus of smoothness, complex approximation, etc. Seventy one mathematicians from 16 countries spoke on various aspects of approximation and related areas. Unfortunately the plenary lectures by A. B. J. Kuijlaars, S. Konyagin and V. Totik are not recorded here.

An old idea of inviting as “special guess” distinguished experts from neighboring to approximation theory fields to present research and problems lying somewhere between and on the border was finally realized in this 8-th meeting in the series of Varna conferences. We are very grateful to Professor Per Enflo who accepted our invitation to be the special guess in Varna 2005. His lecture is included too. Besides, he contributed in a significant way to the lovely atmosphere during the banquet with his highly professional performance of Beethoven’s sonatas for piano.

In the process of preparation of this volume for print I enjoyed the collaboration and help of my colleagues Geno Nikolov and Rumén Uluchev.

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