

PROCEEDINGS OF THE
INTERNATIONAL CONFERENCE ON PADÉ APPROXIMANTS,
CONTINUED FRACTIONS AND RELATED TOPICS *

Introduction

The present issue of the Rocky Mountain Journal of Mathematics contains the proceedings of the International Conference on Padé Approximants, Continued Fractions and Related Topics held at the University of Colorado in Boulder on June 21-24, 1972.

Padé approximants and continued fractions are closely related to many disciplines of pure and applied mathematics, including analytic function theory, the theory of moments, asymptotics and summability of divergent series. The development of high speed automatic computers has stimulated applications of continued fractions and Padé approximants to various branches of numerical analysis, approximation theory, theoretical physics and engineering. The purpose of the conference was to bring together the chief contributors to all aspects of this subject in the hope that a free exchange of ideas between workers with different viewpoints would stimulate new applications and research. Although the success of such a venture may be difficult to assess, the wide range of topics dealt with in these proceedings gives an indication of the diversity of interests represented at the conference.

These proceedings are dedicated to the late Professor H. S. Wall, whom we had hoped to have as a principal speaker when we first planned the conference. We are indebted to Professor W. T. Scott for providing the remarks on Professor Wall and the list of his publications that appear at the beginning of the proceedings.

The conference directors gratefully acknowledge that the support for this Conference was provided by the University of Colorado and by a grant from the Air Force Office of Scientific Research.* We also express our thanks to Dr. George A. Baker, Jr. (Brookhaven National Laboratory), Professor William B. Gragg (University of California, San Diego), Professor Arne Magnus (Colorado State University) and Dr.

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Oved Shisha (Naval Research Laboratory) who joined us in forming the Invitational Committee

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