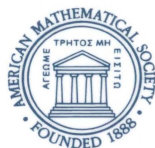


CONTEMPORARY MATHEMATICS

117

Continuum Theory and Dynamical Systems



American Mathematical Society

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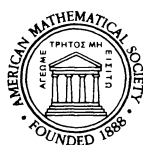
CONTEMPORARY MATHEMATICS

117

Continuum Theory and Dynamical Systems

Proceedings of the AMS-IMS-SIAM
Joint Summer Research Conference
held June 17–23, 1989,
with support from the National Science Foundation
and the Army Research Office

Morton Brown
Editor



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Preface

In the last few years there has been increasing interaction between mathematicians working in dynamical systems and in continuum theory. As a result, a Joint Summer Research Conference on “Relationships between Continuum Theory and the Theory of Dynamical Systems,” sponsored by the National Science Foundation was held at Humboldt State University during the week June 18–23, 1989. It was organized by Marcy Barge and Tom Ingram, along with Mort Brown, Bob Devaney, and Bob Williams.

The papers in this volume are representative of the topics covered at the conference. Most are concerned with the dynamics of surface homeomorphisms or of continua that occur as attractors for surface homeomorphisms. They range from “topological” dynamical systems with little reference to continua theory, to the reverse, but on the whole they illustrate the increasing confluence of the two disciplines.

Some papers in this volume are in final form, others are preliminary. Some are expository. There is a concluding section of research problems.

Morton Brown

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