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## $p$ -Adic Methods in Number Theory and Algebraic Geometry



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## $p$ -Adic Methods in Number Theory and Algebraic Geometry

Alan Adolphson  
Steven Sperber  
Marvin Tretkoff  
Editors



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American Mathematical Society  
Providence, Rhode Island

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## Preface

In the fall of 1989, there were meetings of the American Mathematical Society held at Stevens Institute of Technology and Ball State University. Among the Special Sessions held at these meetings, two focussed on the role of  $p$ -adic methods in number theory and algebraic geometry. These Special Sessions are the starting point for this volume. The articles presented here are drawn from a wide area of mathematics; despite that, some aspects of current research in  $p$ -adic arithmetic do not appear here at all. There is no attempt here at comprehensiveness. Our goal is to give a sampling of the wide range of concerns and applications of the  $p$ -adic approach.

Alan Adolphson  
Steven Sperber  
Marvin Tretkoff



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