

The occurrence of singularities is pervasive in many problems in topology, differential geometry and algebraic geometry. This book concerns the study of singular spaces using techniques from a variety of areas of geometry and topology and interactions among them. It contains more than a dozen expository papers on topics ranging from intersection homology,  $L^2$  cohomology and differential operators, to the topology of algebraic varieties, signatures and characteristic classes, mixed Hodge theory, and elliptic genera of singular complex and real algebraic varieties. The book concludes with a list of open problems.



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Mathematical Sciences Research Institute  
Publications

58

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Topology of Stratified Spaces

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Volumes 1–4, 6–8, and 10–27 are published by Springer-Verlag

# Topology of Stratified Spaces

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The Mathematical Sciences Research Institute wishes to acknowledge support by the National Science Foundation and the *Pacific Journal of Mathematics* for the publication of this series.

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CAMBRIDGE UNIVERSITY PRESS

Cambridge, New York, Melbourne, Madrid, Cape Town,  
Singapore, São Paulo, Delhi, Tokyo, Mexico City

Cambridge University Press  
32 Avenue of the Americas, New York, NY 10013-2473, USA

[www.cambridge.org](http://www.cambridge.org)

Information on this title: [www.cambridge.org/9780521191678](http://www.cambridge.org/9780521191678)

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First published 2011

Printed in the United States of America

*A catalog record for this publication is available from the British Library.*

Topology of stratified spaces / edited by Greg Friedman ... [et al.].

p. cm. – (Mathematical Sciences Research Institute publications ; 58)

Includes bibliographical references.

ISBN 978-0-521-19167-8 (hardback)

1. Singularities (Mathematics) 2. Algebraic spaces. 3. Algebraic topology.

I. Friedman, Greg, 1973–

QA614.58.T67 2011

516.3'5—dc22

2010051108

ISBN 978-0-521-19167-8 hardback

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