Gerd Baumann

Symmetry Analysis of Differential Equations with *Mathematica*®

Springer Science+Business Media, LLC

Gerd Baumann
Department of Mathematical Physics
University of Ulm
Ulm D-89069
Germany

Library of Congress Cataloging-in-Publication Data
Baumann, Gerd.
Symmetry analysis of differential equations with Mathematica /
Gerd Baumann.
p. cm.
Includes bibliographical references and indexes.
Additional material to this book can be downloaded from http://extras.springer.com.

ISBN 978-1-4612-7418-6 ISBN 978-1-4612-2110-4 (eBook)
DOI 10.1007/978-1-4612-2110-4

1. Differential equations—Numerical solutions—Computer programs.
2. Symmetry (Physics) 3. Mathematica (Computer program language)
I. Title
QA371.B36 1998
515'.35—dc21 98-26975

Printed on acid-free paper.

Originally published by Springer-Verlag New York, Inc. 2000
Softcover reprint of the hardcover 1st edition 2000

TELOS®, The Electronic Library of Science, is an imprint of Springer-Verlag New York, Inc.

Production managed by Steven Pisano; manufacturing supervised by Jacqui Ashri.
Typeset by Integre Technical Publishing Co., Inc., Albuquerque, NM.

9 8 7 6 5 4 3 2 1

Contents