

THE COMPLEXITY OF COOPERATION

PRINCETON STUDIES IN COMPLEXITY

EDITORS

Philip W. Anderson (Princeton University)
Joshua M. Epstein (The Brookings Institution)
Duncan K. Foley (Barnard College)
Simon A. Levin (Princeton University)
Gottfried Mayer-Kress (University of Illinois)

OTHER TITLES IN THE SERIES

Lars-Erik Cederman, *Emergent Actors in World Politics: How
States and Nations Develop and Dissolve*

Forthcoming Titles

Scott Camazine, Jean-Louis Deneubourg, Nigel Franks, and
Thomas Seeley, *Building Biological Superstructures: Models of
Self-Organization*

James P. Crutchfield and James E. Hanson, *Computational
Mechanics of Cellular Processes*

Ralph W. Wittenberg, *Models of Self-Organization in
Biological Development*

THE COMPLEXITY OF COOPERATION

AGENT-BASED MODELS OF
COMPETITION AND
COLLABORATION

Robert Axelrod

PRINCETON UNIVERSITY PRESS PRINCETON, NEW JERSEY

Copyright © 1997 by Princeton University Press

Published by Princeton University Press, 41 William Street,
Princeton, New Jersey 08540

In the United Kingdom: Princeton University Press, Chichester,
West Sussex

All Rights Reserved

Library of Congress Cataloging-in-Publication Data

Axelrod, Robert M.

The complexity of cooperation : agent-based models of competition
and collaboration / Robert Axelrod.

p. cm. — (Princeton studies in complexity.)

Includes bibliographical references and index.

eISBN 1-4008-0015-3

1. Cooperativeness. 2. Competition. 3. Conflict management.
4. Adaptability (Psychology) 5. Adjustment (Psychology)
6. Computational complexity. 7. Social systems—Computer
simulation. I. Title. II. Series.

HM131.A894 1997

302'.14—dc21 97-1107 CIP

This book has been composed in Sabon

To Amy, Lily, and Vera
