



Editorial Board

R.L. Graham, La Jolla B. Korte, Bonn
L. Lovász, Budapest A. Wigderson, Princeton
G.M. Ziegler, Berlin

Springer

Berlin

Heidelberg

New York

Hong Kong

London

Milan

Paris

Tokyo

Alexander Schrijver

Combinatorial Optimization

Polyhedra and Efficiency

Volume A-C



Springer

Alexander Schrijver

CWI

Kruislaan 413

1098 SJ Amsterdam

The Netherlands

e-mail: lex@cwi.nl

Library of Congress Cataloging-in-Publication Data applied for

A catalog record for this book is available from the Library of Congress.

Bibliographic information published by Die Deutsche Bibliothek

Die Deutsche Bibliothek lists this publication in the Deutsche Nationalbibliografie;
detailed bibliographic data is available in the Internet at <http://dnb.ddb.de>

Mathematics Subject Classification (2000): 90C27, 05Cxx, 05C85, 68R05, 68Q25

ISSN 0937-5511

ISBN 3-540-20456-3 Springer-Verlag Berlin Heidelberg New York

ISBN 3-540-44389-4 print edition Springer-Verlag Berlin Heidelberg New York

This work is subject to copyright. All rights are reserved, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilm or in any other way, and storage in data banks. Duplication of this publication or parts thereof is permitted only under the provisions of the German Copyright Law of September 9, 1965, in its current version, and permission for use must always be obtained from Springer-Verlag. Violations are liable for prosecution under the German Copyright Law.

Springer-Verlag is a part of Springer Science+Business Media
springeronline.com

© Springer-Verlag Berlin Heidelberg 2004

Printed in Germany

The use of general descriptive names, registered names, trademarks etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Cover design: *design & production*, Heidelberg

Typesetting: by the author using a Springer \LaTeX macro package

Printed on acid-free paper

46/3142ck-5 4 3 2 1 0