

INSTRUCTOR'S SOLUTIONS MANUAL

THOMAS POLASKI

Winthrop University

JUDITH McDONALD

Washington State University

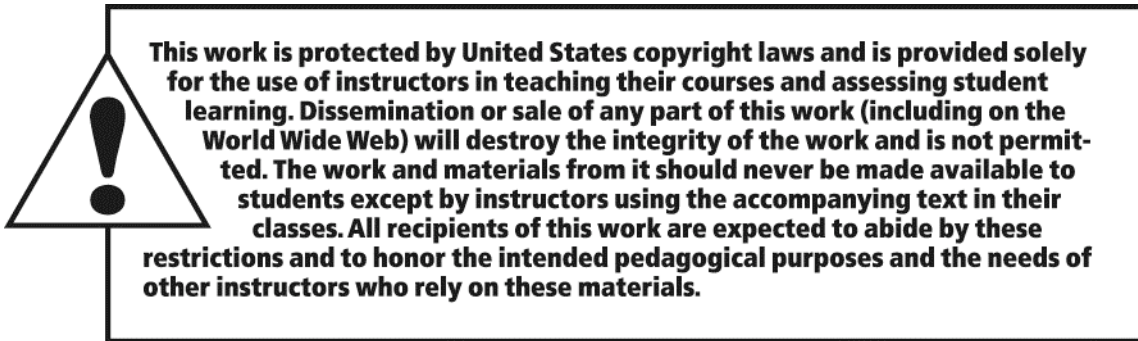
LINEAR ALGEBRA AND ITS APPLICATIONS FOURTH EDITION

David C. Lay

University of Maryland

Addison-Wesley
is an imprint of

PEARSON



The author and publisher of this book have used their best efforts in preparing this book. These efforts include the development, research, and testing of the theories and programs to determine their effectiveness. The author and publisher make no warranty of any kind, expressed or implied, with regard to these programs or the documentation contained in this book. The author and publisher shall not be liable in any event for incidental or consequential damages in connection with, or arising out of, the furnishing, performance, or use of these programs.

Reproduced by Pearson Addison-Wesley from electronic files supplied by the author.

Copyright © 2012, 2006, 1997 Pearson Education, Inc.

Publishing as Pearson Addison-Wesley, 75 Arlington Street, Boston, MA 02116.

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher. Printed in the United States of America.

ISBN-13: 978-0-321-38888-9

ISBN-10: 0-321-38888-7

1 2 3 4 5 6 BB 15 14 13 12 11

Addison-Wesley
is an imprint of



www.pearsonhighered.com

Contents

CHAPTER 1	Linear Equations in Linear Algebra	1
CHAPTER 2	Matrix Algebra	87
CHAPTER 3	Determinants	167
CHAPTER 4	Vector Spaces	197
CHAPTER 5	Eigenvalues and Eigenvectors	273
CHAPTER 6	Orthogonality and Least Squares	357
CHAPTER 7	Symmetric Matrices and Quadratic Forms	405
CHAPTER 8	The Geometry of Vector Spaces	453

