

Cambridge University Press

978-1-107-02258-4 - Variational Methods with Applications in Science and Engineering

Kevin W. Cassel

Copyright Information

[More information](#)

# Variational Methods with Applications in Science and Engineering

Kevin W. Cassel

Mechanical, Materials, and

Aerospace Engineering Department

Illinois Institute of Technology



**CAMBRIDGE**  
UNIVERSITY PRESS

Cambridge University Press  
978-1-107-02258-4 - Variational Methods with Applications in Science and Engineering  
Kevin W. Cassel  
Copyright Information  
[More information](#)

CAMBRIDGE UNIVERSITY PRESS  
Cambridge, New York, Melbourne, Madrid, Cape Town,  
Singapore, São Paulo, Delhi, 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/9781107022584](http://www.cambridge.org/9781107022584)

© Kevin W. Cassel 2013

This publication is in copyright. Subject to statutory exception  
and to the provisions of relevant collective licensing agreements,  
no reproduction of any part may take place without the written  
permission of Cambridge University Press.

First published 2013

Printed in the United States of America

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

*Library of Congress Cataloging in Publication Data*  
Cassel, Kevin W., 1966–

Variational methods with applications in science and engineering / Kevin W. Cassel.  
pages cm.

Includes bibliographical references and index.

ISBN 978-1-107-02258-4 (hardback)

1. Variational principles. 2. Science—Methodology. 3. Engineering—Methodology.  
I. Title.

Q172.5.V37C27 2013

515'.64—dc23 2013002762

ISBN 978-1-107-02258-4 Hardback

Cambridge University Press has no responsibility for the persistence or accuracy of URLs  
for external or third-party Internet websites referred to in this publication and does not  
guarantee that any content on such websites is, or will remain, accurate or appropriate.