

Cambridge University Press

978-1-107-00056-8 - Quasilinear Control: Performance Analysis and Design of Feedback Systems with Nonlinear Sensors and Actuators

ShiNung Ching, Yongsoon Eun, Cevat Gokcek, Pierre T. Kabamba and Semyon M. Meerkov

Copyright Information

[More information](#)

---

# Quasilinear Control

Performance Analysis and Design of Feedback  
Systems with Nonlinear Sensors and Actuators

ShiNung Ching

Massachusetts Institute of Technology

Yongsoon Eun

Xerox Research Center Webster

Cevat Gokcek

Michigan State University

Pierre T. Kabamba

University of Michigan

Semyon M. Meerkov

University of Michigan



CAMBRIDGE  
UNIVERSITY PRESS

Cambridge University Press

978-1-107-00056-8 - Quasilinear Control: Performance Analysis and Design of Feedback Systems with Nonlinear Sensors and Actuators

ShiNung Ching, Yongsoon Eun, Cevat Gokcek, Pierre T. Kabamba and Semyon M. Meerkov

Copyright Information

[More information](#)

CAMBRIDGE UNIVERSITY PRESS  
Cambridge, New York, Melbourne, Madrid, Cape Town, Singapore,  
São Paulo, Delhi, Dubai, Tokyo, 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/9781107000568](http://www.cambridge.org/9781107000568)

© ShiNung Ching, Yongsoon Eun, Cevat Gokcek, Pierre T. Kabamba,  
and Semyon M. Meerkov 2011

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 2011

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*

Quasilinear control : performance analysis and design of feedback systems  
with nonlinear sensors and actuators / ShiNung Ching ... [et al.].

p. cm.

Includes bibliographical references and index.

ISBN 978-1-107-00056-8 (hardback)

1. Stochastic control theory. 2. Quasilinearization. I. Ching, ShiNung.

QA402.37.Q37 2010

629.8'312-dc22 2010039407

ISBN 978-1-107-00056-8 Hardback

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