

## Contents

<b>Mixed-integer nonlinear optimization</b> .....	1
<i>Pietro Belotti, Christian Kirches, Sven Leyffer, Jeff Linderoth, James Luedtke and Ashutosh Mahajan</i>	
<b>High-dimensional integration: The quasi-Monte Carlo way</b> ...	133
<i>Josef Dick, Frances Y. Kuo and Ian H. Sloan</i>	
<b>Finite element methods for surface PDEs</b> .....	289
<i>Gerhard Dziuk and Charles M. Elliott</i>	
<b>Atomistic-to-continuum coupling</b> .....	397
<i>Mitchell Luskin and Christoph Ortner</i>	
<b>On first-order algorithms for <math>\ell_1</math>/nuclear norm minimization</b>	509
<i>Yurii Nesterov and Arkadi Nemirovski</i>	