

## Contents

Foreword	xi
Preface	xiii
<b>Lecture Notes</b>	
Knot Theory LOUIS H. KAUFFMAN	3
From Conway Notation to LinKnot SLAVIK V. JABLAN AND RADMILA SAZDANOVIC	63
Surface-knots SEICHI KAMADA	93
An Introduction to Khovanov Homology LOUIS H. KAUFFMAN	105
Knot Theory for Spatial Graphs Attached to a Surface AKIO KAWAUCHI	141
Knots and Graphs: Two Centuries of Interaction JÓZEF H. PRZYTYCKI	171
<b>Research Expositions</b>	
On the Welded Tube Map BENJAMIN AUDOUX	261
On Representations of Braids as Automorphisms of Free Groups and Corresponding Linear Representations VALERIY G. BARDAKOV AND PAOLO BELLINGERI	285
Ribbon Graphs and Temperley-Lieb Algebra NAFAA CHBILI	299
On Twisted Knots NAOKO KAMADA	313
Tunnel Numbers of Knots KANJI MORIMOTO	327