

# Contents

<b>The Homotopy Type of the Loops on <math>(n - 1)</math>-Connected <math>(2n + 1)</math>-Manifolds</b> .....	1
Samik Basu	
<b>Whitehead's Asphericity Question and Its Relation to Other Open Problems</b> .....	27
A. J. Berrick and J. A. Hillman	
<b>Connective <math>K</math>-Theory and the Borsuk-Ulam Theorem</b> .....	51
M. C. Crabb	
<b>Torus Orbifolds with Two Fixed Points</b> .....	67
Alastair Darby, Shintaro Kuroki and Jongbaek Song	
<b>Arc Shift Number for Some Virtual Knots</b> .....	87
K. Kaur, A. Gill and M. Prabhakar	
<b>Exponents of <math>[\Omega(\mathbb{S}^{r+1}), \Omega(Y)]</math></b> .....	103
Marek Golasinski, Daciberg Lima Gonçalves and Peter Wong	
<b>Mayer-Vietoris Sequence for Differentiable/Diffeological Spaces</b> .....	123
Norio Iwase and Nobuyuki Izumida	
<b>Homological Infinity of 4D Universe for Every 3-Manifold</b> .....	153
Akio Kawauchi	
<b>Nielsen Theory on Nilmanifolds of the Standard Filiform Lie Group</b> .....	177
Jong Bum Lee and Won Sok Yoo	
<b>Lickorish-type Construction of Manifolds Over Simple Polytopes</b> .....	197
Zhi Lü, Wei Wang and Li Yu	

<i>KO</i> -Groups of Stunted Complex and Quaternionic Projective Spaces .....	215
Aniruddha C. Naolekar and Ajay Singh Thakur	
The Vector Field Problem for Homogeneous Spaces .....	223
Parameswaran Sankaran	
On a Construction for the Generators of the Polynomial Algebra as a Module Over the Steenrod Algebra .....	265
Nguyễn Sum	
Stellar Stratifications on Classifying Spaces .....	287
Dai Tamaki and Hiro Lee Tanaka	