

Contents

Foreword	vii
Bibliography	xi
Open/closed correspondence and extended LG/CY correspondence for quintic threefolds	
KONSTANTIN ALESHKIN and CHIU-CHU MELISSA LIU	1
A small catalogue of E_n -operads	
ANDRÉ BEUCKELMANN and IEKE MOERDIJK	41
Characteristic forms for holomorphic families of local systems	
INDRANIL BISWAS and EDUARD LOOIJENGA	85
The 2-associahedra are Eulerian	
NATHANIEL BOTTMAN and DYLAN MAVRIDES	97
A knot-theoretic approach to comparing the Grothendieck-Teichmüller and Kashiwara-Vergne groups	
ZSUZSANNA DANCSE, TAMARA HOGAN, and MARCY ROBERTSON	113
Affine BPS algebras, W algebras, and the cohomological Hall algebra of $\mathbb{A}^2$	
BEN DAVISON	163
PROBs and perverse sheaves II. Ran spaces and 0-cycles with coefficients	
MIKHAIL KAPRANOV and VADIM SCHECHTMAN	201
Gauss-Manin connection in noncommutative geometry	
BORIS TSYGAN	249
On simplicial principal bundles in descent categories	
JESSE WOLFSON	275