

CONTENTS

| | |
|---|-----|
| Alexey BONDAL and Ilya ZHDANOVSKIY — Symplectic geometry of unbiasedness and critical points of a potential | 1 |
| Amanda E. FRANCIS, Tyler J. JARVIS and Nathan PRIDDIS — A brief survey of FJRW theory | 19 |
| Sergey GALKIN and Hiroshi IRITANI — Gamma conjecture via mirror symmetry | 55 |
| Michel van GARREL — On a conjecture by N. Takahashi on log mirror symmetry for the projective plane | 117 |
| Kentaro Hori and Mauricio ROMO — Notes on the Hemisphere | 127 |
| Sergei K. LANDO — On Dubrovin's Frobenius structures on Hurwitz spaces | 221 |
| Si LI — Calabi-Yau geometry, Primitive form and Mirror symmetry | 237 |
| Andrey LOSEV — TQFT, homological algebra and elements of K. Saito's theory of Primitive form: an attempt of mathematical text written by mathematical physicist | 269 |
| Todor MILANOV — The phase factors in singularity theory | 295 |
| Daniel POMERLEANO — On the homological algebra of relative symplectic geometry | 327 |
| Nathan PRIDDIS — The Landau–Ginzburg/Calabi–Yau correspondence and the mirror quintic | 357 |
| Yefeng SHEN — Quantum invariants via tautological relations | 371 |
| Atsushi TAKAHASHI — From a class of Calabi–Yau dg algebras to Frobenius manifolds via primitive forms | 389 |