Contents

Preface ix

Geometry and categorification
  Ben Webster 1

A geometric realization of modified quantum algebras
  Yiqiang Li 23

The cube and the Burnside category
  Tyler Lawson, Robert Lipshitz, and Sucharit Sarkar 63

Junctions of surface operators and categorification of quantum groups
  Sungbong Chun, Sergei Gukov, and Daniel Roggenkamp 87

Khovanov-Rozansky homology and 2-braid groups
  Raphaël Rouquier 147

DAHA approach to iterated torus links
  Ivan Cherednik and Ivan Danilenko 159