

## CONTENTS

Preface

Workshop

Christos A. ATHANASIADIS — Deformations of Coxeter hyperplane arrangements and their characteristic polynomials	1
Daniel C. COHEN — On the cohomology of discriminantal arrangements and Orlik-Solomon algebras	27
James DAMON — On the number of bounding cycles for nonlinear arrangements	51
Michel DEZA and Mikhail SHTOGRIN — Embedding the graphs of regular tilings and star-honeycombs into the graphs of hypercubes and cubic lattices	73
Michael FALK and Richard RANDELL — On the homotopy theory of arrangements, II	93
Eriko HIRONAKA — Plumbing graphs for normal surface-curve pairs	127
Katsunori IWASAKI — Polytopes, invariants and harmonic functions	145
Toshitake KOHNO — Vassiliev invariants of braids and iterated integrals	157
Anatoly LIBGOBER and Sergey YUZVINSKY — Cohomology of local systems	169
Daniel MATEI and Alexander I. SUCIU — Cohomology rings and nilpotent quotients of real and complex arrangements	185
Keiji MATSUMOTO and Masaaki YOSHIDA — Recent progress of intersection theory for twisted (co)homology groups	217
Evgeny MUKHIN and Alexander VARCHENKO — Remarks on critical points of phase functions and norms of Bethe vectors	239
Peter ORLIK and Roberto SILVOTTI — Local system homology of arrangement complements	247
Luis PARIS — On the fundamental group of the complement of a complex hyperplane arrangement	257
Anne SHEPLER and Hiroaki TERAOKA — Logarithmic forms and anti-invariant forms of reflection groups	273