

Preface

In his monumental book “Kalkül der abzählenden Geometrie”, published in 1879, Hermann Schubert developed a remarkable symbolic method for solving counting problems in algebraic geometry. This centuries-old subject is still an active modern topic of study, with many connections to other areas such as representation theory and combinatorics, among others. In order to broaden its influence and expand its perspective, the fifth MSJ-SI Seasonal Institute was held on the topic of “Schubert calculus” at Osaka City University from July 17-27, 2012. This special volume of the ASPM is an outcome of this successful conference, and consists of sixteen refereed papers. We would like to thank all the contributing authors and the referees for making this volume possible.

Alain Lascoux, one of the pioneers of modern Schubert calculus and a contributor to this volume, passed away during the editing process of this proceedings. We respectfully dedicate this volume to him for his great influence on this area.

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*All papers in this volume have been refereed and are in final form.
No version of any of them will be submitted for publication elsewhere.*