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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Contents -- Preface -- Turning points and bifurcations for homotopies of analytic maps -- On a connectedness theorem of Debarre -- Stepsize control for path tracking -- A primer on Seshadri constants -- 1. Definitions -- 2. Basic properties -- 3. Projective spaces -- 4. Toric varieties -- 5. Slope stability and Seshadri constants -- 6. Seshadri constants on surfaces -- 7. S-slope and fibrations by Seshadri curves -- 8. Algebraic manifestation of Seshadri constants -- References -- A view on extending morphisms from ample divisors -- 1. Introduction -- 2. Background material -- 3. General results -- 4. Some convex geometry speculations -- 5. Applications to Pd-bundles and blowing-ups -- 6. Complete results in the three dimensional case -- 7. Extending P1-bundles -- 8. Fano manifolds as ample divisors -- 9. Ascent properties -- Acknowledgments -- References -- Isotropic models of evolution with symmetries -- Special scrolls whose base curve has general moduli -- On varieties whose universal cover is a product of curves (with an appendix by A. J. Di Scala) -- Ideals of numeric realizations of configurations of lines -- The standard filtration on co-homology with compact supports with an appendix on the base change map and the

Lefschetz hyperplane theorem -- 1. Introduction -- 2. The geometry of the standard and Leray filtrations -- 3. Appendix: Base change and Lefschetz hyperplane theorem -- References -- A family of exceptional Stewart Gough mechanisms of genus 7 -- Numerical computation of the dimensions of the cohomology of twists of ideal sheaves -- Polyhedral methods in numerical algebraic geometry -- Double covers of Del Pezzo manifolds and bielliptic curve sections -- Total degree vs. mixed volume -- Varieties swept out by Grassmanians of lines -- Submanifolds with ample normal bundles and a conjecture of Hartshorne -- A complete kinematic analysis of the SNU 3-UPU parallel robot -- The closedness subspace method for computing the multiplicity structure of a polynomial system.
