

1. Record Nr.	UNINA9910788900203321
Titolo	Algebraic and combinatorial aspects of tropical geometry : CIEM Workshop on Tropical Geometry, December 12-16, 2011, International Center for Mathematical Meetings, Castro Urdiales, Spain // Erwan Brugalle [and four others], editors
Pubbl/distr/stampa	Providence, Rhode Island : , : American Mathematical Society, , 2013 ©2013
ISBN	1-4704-0940-2
Descrizione fisica	1 online resource (362 p.)
Collana	Contemporary mathematics, , 1098-3627 ; ; 589 , 0271-4132
Classificazione	14T0514T9951M2012J2014M2532P0514C3005E4514H5232S05
Disciplina	516.3/5
Soggetti	Tropical geometry Combinatorial analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Dedication -- Preface -- Intersection multiplicity numbers between tropical hypersurfaces -- Introduction -- 1. Toric hypersurfaces -- 2. Intersection of toric hypersurfaces -- 3. Tropical hypersurfaces -- 4. Intersection of tropical hypersurfaces -- 5. Intersection multiplicity numbers between tropical hypersurfaces -- 6. Tropical intersection numbers via volumes of Cayley polytopes -- 7. Non degenerate tropical complete intersections -- References -- On the total curvature of tropical hypersurfaces -- 1. Introduction -- 2. Preliminary -- 2.1. Total curvature -- 2.2. Tropical hypersurfaces -- 2.3. Real convergent Puiseux series and tropicalisation -- 2.4. Real tropical hypersurfaces -- 3. Total curvature of real and complex amoebas -- 4. Complex and real total curvature of tropical hypersurfaces -- 4.1. Complex total curvature -- 4.2. Total curvature of real tropical hypersurfaces -- 5. Polyhedral total curvature of a real tropical hypersurface. -- 5.1. Definition and elementary properties -- 5.2. Elementary simplex case -- 5.3. Proof of Proposition 5.8 -- 6. Complement -- 6.1. Tropical lower bound -- Tropically unirational varieties -- 1. Tropical Unirationality -- Acknowledgements -- 2. Linear spaces, toric varieties, homogenisation, curves -- 3. Combining reparameterisations -- 4. Birational projections -- 5. Very local

reparameterisations -- 6. Concluding remarks -- References -- A  
Guide to Tropicalizations -- 1. Introduction -- 2. Analytification -- 3.  
Tropicalization -- 4. Models over the valuation ring and reduction --  
5. Initial degeneration -- 6. Affine toric schemes over a valuation ring  
-- 7. Toric schemes over a valuation ring -- 6. The layered categories  
and the corresponding tropicalization functors.

---