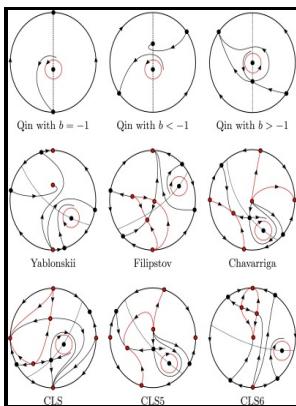


Geometry of the plane Cremona maps

Springer - Julie Deserti



Description: -

- Cremona transformations

Geometry of the plane Cremona maps
Lecture notes in mathematics (Springer-Verlag) -- 1769.
Lecture notes in mathematics -- 1769

Geometry of the plane Cremona maps

Notes: Includes bibliographical references (p. [249]-251) and indexes.

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ag.algebraic geometry

We then show that these algebras provide counterexamples to the cancellation problem over any field, extending Danielewski's original counterexample. On the Degree Growth of Birational Mappings in Higher Dimension.

[2008.07991] Generators of the plane Cremona group over the field with two elements

It offered no new definitions of familiar concepts such as straightness or distance, it agreed with Euclidean geometry over angles, it merely offered a different intuition about parallel lines based on a different intuition about the distant behaviour of straight lines. The map is birational by finding its inverse.

Lecture Notes in Mathematics Ser.: Geometry of the Plane Cremona Maps by Maria Alberich

But before turning to what that involved, it is worth pausing to appreciate the formulae, because many geometers were to find them convincing proofs of the validity of the new geometry even after the reformulations of Riemann and Beltrami for example, Enriques in his major essay 1907 on the principles of geometry. This means that there are geometric properties one can infer from a map of a surface that are independent of the details of the map and refer to the surface itself.

2. Plane Cremona maps

Sous-groupes algébriques du groupe de Cremona. In his Exposition du système du monde of 1796 see Book V, Ch. Laminar currents and birational dynamics.

2. Plane Cremona maps

Luigi Cremona and cubic surfaces. Poincaré argued that the mind quickly realises that it can compensate for certain kinds of motions that it sees.

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