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Schottky groups and Mumford curves References: Gerritzen - anV der Put, resnelF - andV der Put. Silverman (for week 4), Bosch (for week 5-6, lecture notes on rigid geometry)

Schottky groups and Mumford curves - University of Warwick

A Schottky group is any Kleinian group that can be constructed like this. Properties [edit] By work of Maskit (1967) , a finitely generated Kleinian group is Schottky if and only if it is finitely generated , free , has nonempty domain of discontinuity, and all non-trivial elements are loxodromic .

Schottky group - Wikipedia

Schottky groups and the Mumford isomorphisms Takashi Ichikawa Department of Mathematics, Graduate School of Science and Engineering, Saga University S 1. Introduction 1.1. Our starting point is the following observation on special values of the Ramanujan delta function

Selberg zeta values of Schottky groups and the Mumford

Vol. 817: L. Gerritzen, M. van der Pu~ Schottky Groups and Mumford Curves. VIII, 317 pages. 1980. Vol. 818: S. Montgomery, Fixed Rings of Finite Automorphism Groups ...

Pu~ Schottky Groups and Mumford A - link.springer.com

6 JACOBIANS OF MUMFORD CURVES. A NEW PERSPECTIVE FOR GENERALIZATIONS [MD73] Yu. Manin and V. Drinfeld. Periods of p-adic Schottky groups. J. Reine Angew. Math., 262/263:239{247, 1973. Collection of articles dedicated to Helmut Hasse on his seventy- fth birthday. [Mum72] David Mumford. An analytic construction of degenerating curves over complete local rings.

JACOBIANS OF MUMFORD CURVES. A NEW PERSPECTIVE - stnb.cat

Lothar Gerritzen, Marius van der Put. Pages 70-124. PDF

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1 Abstract Computations and Moduli Spaces for Non-archimedean Varieties by Qingchun Ren Doctor of Philosophy in Mathematics University of California, Berkeley

Computations and Moduli Spaces for Non-archimedean Varieties

ON ABELIAN AUTOMORPHISM GROUPS OF MUMFORD CURVES ARISTIDES KONTOGEORGIS AND VICTOR ROTGER Abstract. We use rigid analytic uniformization by Schottky groups to give a bound for the order of the abelian subgroups of the automorphism group of a Mumford curve in terms of its genus.

ON ABELIAN AUTOMORPHISM GROUPS OF MUMFORD

Schottky groups $\Gamma \subset \mathrm{PSL}(2; \mathbb{C})$ has a natural analogue in which the field is the p -adic numbers \mathbb{Q}_p . The bulk space becomes the Bruhat-Tits tree of \mathbb{Q}_p , which is a manifestly discrete infinite graph of uniform valence. Its conformal boundary at infinity is $P^1(\mathbb{Q}_p)$, which can be thought of as the spacetime for an unusual class of CFTs.

Tensor networks, p arithmetic and the AdS CFT correspondence

A Schottky group Γ is a subgroup of $\mathrm{PGL}(2, K)$ which is finitely generated and whose elements $\gamma^3 = 1$ are hyperbolic (i.e., the eigenvalues of $\hat{\gamma}^3$ in K have different valuation). The talk at Johns Hopkins University on August 11, 2011

Spectral Triples from Mumford Curves - Mathematics

Schottky groups and Mumford curves. The use of Schottky uniformization in [24] implies that the result of Manin on 1 -adic Arakelov geometry and hyperbolic geometry appear to be

GUNTHER CORNELISSEN, MATILDE MARCOLLI, KAMRAN REIHANI, AND

Schottky groups, Schottky dance The geometry of Möbius transformations 1 Theorem 1 Every Möbius transformation is a composition of translations, rotations, zooms (dilations) and inversions. 2 A Möbius transformation is conformal (angle preserving). 3 A Möbius transformation maps circles into circles (straight line = circle through ∞).

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