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*Complex Hyperbolic Geometry (Oxford Mathematical ...*

By William M. Goldman: 316 pp., £65.00, isbn 0?19?853793?X (Clarendon Press, Oxford, 1999). COMPLEX HYPERBOLIC GEOMETRY (Oxford Mathematical Monographs) - Basmajian - 2001 - Bulletin of the London Mathematical Society - Wiley Online Library

*COMPLEX HYPERBOLIC GEOMETRY (Oxford Mathematical ...*

Complex structures on a closed surface of genus at least 2 are in one-to-one correspondence with hyperbolic metrics, so that there is a single space, Teichmüller space, parametrising all possible complex and hyperbolic structures on a given surface (up to isotopy). We will explore how complex and hyperbolic geometry interact in Teichmüller space.

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*Complex Hyperbolic Geometry (Oxford Mathematical ...*

W. M. Goldman Complex hyperbolic geometry (Oxford Mathematical Monographs, Clarendon Press, 1999), xx + 316 pp., 0 19 853793 X, £65. - Volume 43 Issue 2 - J. R. Parker

*W. M. Goldman Complex hyperbolic geometry (Oxford ...*

A complex hyperbolic triangle group is the group of complex hyperbolic isometries generated by complex

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involutions fixing three complex lines in complex hyperbolic space. Such a group is called equilateral if there is an isometry of order three that cyclically permutes the three complex lines. We co ..."

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*Complex Hyperbolic Geometry (Oxford Mathematical ...*

The title of this book is Complex Hyperbolic Geometry (Oxford Mathematical Monographs) and it was written by William M. Goldman. This particular edition is in a Hardcover format. This books publish date is Apr 15, 1999 and it has a suggested retail price of \$240.00. It was published by Clarendon Press and has a total of 336 pages in the book.

*Complex Hyperbolic Geometry (Oxford Mathematical ...*

Review of Complex Hyperbolic Geometry by William M. Goldman, Oxford University Press 1999. Proceedings of the Edinburgh Mathematical Society 43 (2000) 443-445. A shorter version of this review is published in Featured Reviews, issue 2000g in Mathematical Reviews.

*John R. Parker's Home Page - Department of Mathematical ...*

Complex Hyperbolic Geometry Oxford Mathematical a complex hyperbolic triangle group is the group of complex hyperbolic isometries generated by complex involutions fixing three complex lines in complex hyperbolic space such a group is called equilateral if there is an isometry of order three that cyclically permutes the three complex lines Complex Hyperbolic Geometry Oxford Mathematical Monographs

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In this paper, four new discreteness criteria for isometric groups on complex hyperbolic spaces are proved, one of which shows that the Condition C hypothesis in Cao ['Discrete and dense subgroups acting on complex hyperbolic space', Bull. Aust. Math. Soc. 78 (2008), 211-224, Theorem 1.4] is removable;

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another shows that the parabolic condition hypothesis in Li and Wang [*Discreteness ...*

*DISCRETENESS CRITERIA FOR ISOMETRIC GROUPS ACTING ON ...*

Abstract: In this paper we study discreteness of complex hyperbolic triangle groups of type  $(p, q, r)$ , i.e., groups of isometries of the complex hyperbolic plane generated by three complex reflections of orders  $p, q, r$  in complex geodesics with pairwise distances  $d_1, d_2, d_3$ . For fixed  $(p, q, r)$ , the parameter space of such groups is of real dimension one. We determine intervals in this parameter space that correspond to discrete and to non-discrete triangle groups.

*AMS :: Conformal Geometry and Dynamics of the American ...*

Complex hyperbolic geometry is a particularly rich area of study, enhanced by the confluence of several areas of research including Riemannian geometry, complex analysis, symplectic and contact...

*Complex Hyperbolic Geometry - William Mark Goldman ...*

Abstract In this paper, we investigate the Hamiltonian-stability of Lagrangian tori in the complex hyperbolic space  $\mathbb{C}H^n$ . We consider a standard Hamiltonian  $T^n$ -action on  $\mathbb{C}H^n$ , and show that every Lagrangian  $T^n$ -orbits in  $\mathbb{C}H^n$  is  $H$ -stable when  $n \geq 2$  and there exist infinitely many  $H$ -unstable  $T^n$ -orbits when  $n \geq 3$ .

*Journal of the Mathematical Society of Japan - Project Euclid*

In hyperbolic geometry, the shortest path, or "geodesic," between two points is the path that travels through the fewest possible fishes to get from one point to the other. Such a path, it turns out, is always a semicircle perpendicular to the boundary of the disk; the semicircles that go through the fishes' spines are examples.

*From Hyperbolic Geometry to Cube ... - Quanta Magazine*

The double coset space  $A(n, \theta) / U(n-1, 1)$  is studied, where  $A$  consists of the diagonal matrices in  $GL(n, \mathbb{C})$ . This space naturally arises in the harmonic analysis on the hermitian symmetric space  $GL(n, \mathbb{C}) / U(n-1, 1)$ . It is shown here that these double cosets also represent a class of basic invariants related to complex hyperbolic geometry.

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