Fuchsian Groups Chicago Lectures In Mathematics

hyperbolic geometry, fuchsian groups, and tiling spaces *- hyperbolic geometry, fuchsian groups, and tiling spaces c. olivares abstract. expository paper on hyperbolic geometry and fuchsian groups. exposition is based on utilizing the group action of hyperbolic isometries to discover facts about the space across models. fuchsian groups are character-ized, and applied to construct tilings of hyperbolic ...* ***percolation on fuchsian groups - university of chicago*** *- percolation on fuchsian groups by steven p. lalley department of statistics, mathematical sciences bldg., purdue university, west lafayette in 47907, usa. email:lalley @ stat.purdue abstract. -- it is shown that, for site percolation on the dual dirichlet* ***random walks on hyperbolic groups ii - university of chicago*** *- random walks on hyperbolic groups ii steve lalley university of chicago october 10, 2013. hyperbolic groups definition, examples ... fuchsian groups such that h= has finite hyperbolic area and. a ... random walks on hyperbolic groups ii* ***random walks on hyperbolic groups iii - university of chicago*** *- random walks on hyperbolic groups iii steve lalley university of chicago january 2014. hyperbolic groups definition, examples ... fuchsian groups fuchsian group:a discrete group of isometries of the hyperbolic ... random walks on hyperbolic groups iii* ***contents introduction theorem 1.1 if g r m i r are*** *- a fuchsian group for any signature (g; m 1, ..., mr), where g, m 1, ..., mr provide an admissable solution to the formula describing the hyperbolic area of the group's quotient space. along the way we elucidate relevant concepts in hyperbolic geometry and the theory of fuchsian groups. contents 1. introduction 1 2.* ***fuchsian groups and generalized boundary maps - birs*** *- fuchsian groups and generalized boundary maps ilie ugarcovici department of mathematics depaul university, chicago joint work with svetlana katok (penn state) ilie ugarcovici (depaul university) banff, 2014 1 / 29. introduction and outline 1 a discrete, finitely generated subgroup of sl(2;r) acts on the* ***fall 2017 | no. 9 | monday, october 16th, 2017*** *- yan mary he (university of chicago) title: " free fuchsian groups and quantitative geometry of hyperbolic surfaces "* ***renewal theorems in symbolic ... - university of chicago*** *- the corresponding result for cocompact fuchsian groups (b= 1) is a well known consequence of the selberg trace formula ([5], chapter 2). there are analogous results for closed geodesics on compact riemannian manifolds of variable negative curvature* ***outline and references for project: automorphisms of ...*** *- 2 paula tretkofi among the most interesting compact riemann surfaces are those with a group g of automorphisms which is relatively large compared with ge general problem of determining all such surfaces s and groups g is very di–cult, but it tends to be easier when the euler characteristic ´ = 2(1ig) of s has a simple numerical form. a second paper of belolipetsky and* ***david dumas - university of illinois at chicago*** *- program "spaces of kleinian groups", isaac newton institute, cambridge, 2003 • projective structures with quasi-fuchsian holonomy seminar, wesleyan university, 2002 • projective structures and quasi-fuchsian groups colloquium, oklahoma state university, 2002 teaching • university of illinois at chicago* ***math 600: topics in geometric group theory instructor ...*** *- groups with the geometry of the actions of these groups. we will concentrate on concrete examples: orderable groups (which act on the real line), fuchsian groups (which act on the hyperbolic plane) and kleinian groups (which act on hyperbolic 3-space). we will also touch on the modern theory, pioneered by gromov, which studies groups by making the* ***connor davis, ben gould, luke kiernan*** *- [5] svetlana katok. fuchsian groups. chicago lectures in mathematical series, university of chicago press, 1992. [6] benson farb, dan margalit. a primer on mapping class groups. princeton university press, 2012. log(m) poster session winter 2017* ***math30001: topics in modern geometry 3 mathm0008: topics ...*** *- math30001: topics in modern geometry 3 mathm0008: topics in modern geometry 34 part ii: hyperbolic geometry autumn 2016 jimmy tseng date: ... svetlana fuchsian groups. chicago lectures in mathematics. university of chicago press, chicago, il, 1992. x+175 pp. isbn: 0-226-42582-7; 0-226-42583-5* ***q;n -gonal pseudo-real riemann surfaces*** *- nec groups and fuchsian groups h=hyperbolic plane g=group of isometries of hincluding those reversing orientation g+=subgroup of gconsisting of orientation-preserving isometries g= pgl(2;r) and g+ = psl(2;r) non-euclidean crystallographic group (nec-group) is a discrete in the topology of r4 subgroup of gwith compact orbit space* ***curriculum vitae - purdue university*** *- curriculum vitae purdue university department of mathematics 150 s. university west lafayette, in 47907 ... mapping class groups: torelli-fest, chicago, il (45 minutes, august 2006). ... david rosen, caltech. surf research advisor, summer of 2007; arithmetic fuchsian groups. texas graduate student. james berglund, caltech. mentor for ma 11 ...* ***spectral theory of hyperbolic surfaces - dartmouth college*** *- spectral theory of hyperbolic surfaces david borthwick july 22, 2010 these notes are still somewhat sketchy, but hopefully give some indication where to start looking for background. i apologize for any omissions. p. 5: katok [17] is a good concise source for this material. ratcli e [26] gives a more encyclopedic treatment, with excellent ...* ***arxiv:1807.08842v1 [math] 23 jul 2018*** *- conjecture which includes the non-oriented fuchsian groups appeared in [21]. a second motivation to study homomorphisms from fuchsian groups to nite simple groups is the attempt to generalize various results on random generation of nite simple groups, for example by two elements [18], by elements of orders 2 and 3 [19], and so on.* ***groups acting on the circle - ucb mathematics*** *- groups acting on the circle rigidity, exibility, and moduli spaces of actions kathryn mann uc berkeley / msri = nitely generated group* ***moebiovské systémy numerace s diskrétními grupami moebius ...*** *- we view groups of transformations as groups of homeomorphisms of the hyperbolic plane,*

where the hyperbolic plane is represented as the upper complex half-plane; this is the contents of chapter 3. fuchsian groups are discrete groups of transformations. chapter 4 com-prises the overview of these groups, some examples and some new results. ***master 2 degree in fundamental mathematics 2019{2020*** *- fundamental groups hyperbolic space and its isometries fuchsian groups uniformization, algebraic curves surface di eomorphisms, automorphisms mapping class groups flat structures references s.katok, fuchsian groups, university of chicago press, 1992 h. paul de st. gervais, uniformisation des surfaces de riemann, ens editions 2010* ***fields and rings chicago lectures in mathematics series*** *- fields and rings chicago lectures in mathematics series this book combines in one volume irving kaplanskys lecture notes on the theory of fields ring theory and homological dimensions of rings and ... galois rings read more fuchsian groups chicago lectures in mathematics* ***fall 2017 | no. 7 | tuesday, october 10th, 2017*** *- title: definable groups in models of presburger arithmetic . algebraic topology seminar . website: ... yan mary he, university of chicago title: free fuchsian groups and quantitative geometry of hyperbolic surfaces. cuny geometry & topology seminar . website:* ***course unit spec | the university of manchester | school ...*** *- particular class of such groups, namely fuchsian groups. by using a very beautiful theorem called poincar's theorem, we will describe the connections between such groups and tessellations (tilings) of the hyperbolic plane. the emphasis here will be on how to calculate with and apply poincar's theorem, rather than on rigorous proofs.* ***grafting rays fellow travel teichmuller geodesics¨*** *- grafting rays fellow travel teichmuller geodesics 3¨ such a bound is derived from the construction in several steps. first, we show that there exist points x std ∈t (s) for which the quasi-conformal constants are uniform over an open set in ml(s) (section 4). then, using the action of the mapping class group* ***on the action of the symplectic group on the siegel upper ...*** *- on the action of the symplectic group on the siegel upper half plane by pedro jorge freitas licenciado em matem atica, universidade de lisboa, portugal, 1992 ... for the degree of doctor of philosophy in mathematics in the graduate college of the university of illinois at chicago chicago, illinois. 2. ... since the fuchsian groups, that is, the ...* ***inequalities for martingales, singular integral and ...*** *- inequalities for martingales, singular integral and related topics, a bibliography rodrigo banuelo˜ s∗ department of mathematics purdue university west lafayette, in 47907 banuelos@math.purdue prabhu janakiraman† department of mathematics university of illinois urbana, il 61801 pjanakir@math.uiuc abstract* ***geometric and arithmetic aspects of homogeneous dynamics*** *- geometric and arithmetic aspects of homogeneous dynamics msri program january 19 to may 29, 2015 [1] t. bedford, m. keane, and c. series (eds.), ergodic theory, symbolic dynamics, and hyperbolic spaces (trieste,* ***new publications offered by the ams, volume 54, number 2*** *- newpublications offeredbytheams algebraandalgebraic geometry groups, rings and algebras william chin, depaul university, chicago, il, james osterburg, university of cincinnati, oh, and declan quinn, syracuse university,ny,editors this is a companion volume to the* ***jane piore gilman professor of mathematics rutgers ...*** *- jane piore gilman professor of mathematics rutgers university, newark contact information department of mathematics & computer science rutgers university newark, new jersey 07102 (973) 535-3914 e-mail: gilman@rutgers education b.s., university of chicago, december 1965 ph.d., columbia university, may 1971 employment1* ***timothy morris - sites.temple*** *- fuchsian groups, graduate student seminar, temple university philadelphia, penn-sylvania. (february 2015) from complex polygons to boolean functions, mathematics seminar, the richard stockton college of new jersey. (november 2012) incongruent restricted disjoint coverings systems, final talk cornell summer math-* ***bibliography and cited references - rd.springer*** *- [cr] c. curtis and i. reiner, representation theory of finite groups and associative algebras, wiley–interscience, new york, 1966. 334 bibliography and cited references [da] h. davenport, multiplicative number theory, springer-verlag, new york, 1980.* ***revisiting the siegel upper half plane i*** *- revisiting the siegel upper half plane i shmuel friedland department of mathematics, statistics and computer science, university of illinois at chicago chicago, illinois 60607-7045, usa pedro j. freitas center for linear and combinatorial structures university of lisbon ... are still many differences with fuchsian groups, and more generally ...* ***ito, kentaro associate professor - nagoya university*** *- ito, kentaro associate professor ffi rm 425 in sci. bldg. a telephone: +81 (0)52{789{5594 (ext. 5594) ... kleinian groups, riemann surfaces, teichmuller theory low-dimensional topology research summary: my major research interest is hyperbolic geometry. especially i am interested in hyperbolic 3- ... fuchsian groups, the university of chicago ...* ***1047-37-388 ilie ugarcovici* iugarcov@depaul), 2320 n ...*** *- 1047-37-388 ilie ugarcovici* (iugarcov@depaul), 2320 n. kenmore ave, chicago, il 60203. generalized gauss-type interval maps. we describe a two-parameter family of continued fractions algorithms and derive some of the ergodic properties of* ***correction to: structure of attractors for boundary maps ...*** *- associated to fuchsian groups ... chicago, il 60614, usa 123. 190 geom dedicata (2019) 198:189–191 one can now extend the considerations described in the introductory section of the paper to any compact surface \d, using the orientation preserving homeomorphism h and the* ***joshua s. friedman arxiv:1406.5028v1 [math] 19 jun 2014*** *- fuchsian groups joshua s. friedman abstract. let Γ be a geometrically-finite fuchsian group acting on the upper half plane h.let e denotethe set of elliptic fixed points of Γ in h.we give a lower bound on the minimal hyperbolic dis-tance between points in e.our bound depends on a universal constant and the length of the smallest* ***schedule of talks - mathu*** *- by fuchsian groups using boundary maps and reduction theory. for the modular surface these*

maps are related to a family of (a;b)-continued fractions, and for compact surfaces they are generalizations of the bowen-series maps, also studies by adler and flatto. the boundary ***jane piore gilman professor of mathematics, rutgers ...*** *- b.s., university of chicago, december 1965 ph.d., columbia university, may 1971 employment 1984 - present professor department of mathematics, rutgers-newark ... on the existence of cyclic surface kernels for pairs of fuchsian groups (with robert gilman), journal london math soc 30 (1984), 451-464. 12.* ***hee oh: curriculum vitae - yale university*** *- hee oh 5 48godicity of unipotent flows and kleinian groups (with mohammadi), journal of the ams., vol 28 (2015), pp.531-577. 47.eigenvalues of congruence covers of geometrically finite hyperbolic groups, journal of geometric analysis, vol 25 (2015), 1421–1430.* ***bibliography - rd.springer*** *- 406 bibliography [dp] c.j. del la vallee poussin, recherches analytiques sur la theorie des nombres: premier partie: la fonction (s) de riemann et les nombres premiers en general, annales de la soc. scientifique de bruxelles 20, 183–256 (1896) [di] h.g. diamond, elementary methods in the study of the distribution of prime numbers.* ***arxiv:1610.08483v1 [math] 26 oct 2016*** *- arxiv:1610.08483v1 [math] 26 oct 2016 dynamical rigidity of non discrete representations in psl(2,r) maxime wolff abstract. the aim of this note is to advertise on a result, not stated* ***creativity and technology in mathematics from story elling ...*** *- to a capital c creative moment like “defining fuchsian groups” by henri poincaré for example. at the climax of the divergent thinking process, the illumination is an inflection point which allows the creative process to converge, leading to the actual production of something (an object, a story, a*

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