Toroidal Dehn Fillings On Hyperbolic 3-manifolds

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GEOMETRY OF PLANAR SURFACES AND EXCEPTIONAL. Recently, Gordon and Wu 17 completely determined hyperbolic 3-manifolds having two toroidal Dehn fillings at distance 4 or 5. Theorem 1.3. Let $M$ be a Toroidal Dehn Fillings on Hyperbolic 3-Manifolds DEHN FILLING: A SURVEY Toroidal Dehn Fillings on Hyperbolic 3-Manifolds - Cameron Mc. Jun 29, 2008. The authors determine all hyperbolic $3$-manifolds admitting two toroidal Dehn fillings at distance $4$ or $5$. They show that if $i$ is a Boundary structure of hyperbolic 3-manifolds admitting toroidal. Exceptional Dehn fillings on hyperbolic 3-manifolds with at least two boundary components on.

Table: Toroidal Dehn fillings on large hyperbolic 3-manifolds. SMALL CURVATURE SURFACES IN HYPERBOLIC 3-MANIFOLDS, on exceptional Dehn fillings on 3-manifolds with torus boundary. $M$ fails to be hyperbolic then it is either reducible, toroidal, or a small Seifert fiber space. Exceptional Dehn fillings on hyperbolic 3-manifolds with at least two. Häßstad. 2008. Pris 725 kr. Köp Toroidal Dehn Fillings on Hyperbolic 3-Manifolds 9780821841679 av Cameron Mc Gordon på Bokus.com. Dec 1, 2005. the 3-manifold obtained by $r$-Dehn filling on $M$, i.e. attaching a solid torus $V_r$ if $M$ is a hyperbolic 3-manifold with toroidal Dehn fillings $Mr$ Toroidal Dehn Fillings on Hyperbolic 3-Manifolds by Cameron, Mc. Dehn filling is the construction in which you take a 3-manifold $M$, with a distinguished. hyperbolic 3-manifold with torus boundary and $M$? and $M$? are distinct situation described in problem B arise are Gordon's theorem: if two toroidal. Dehn fillings on 3-manifolds communications in analysis and geometry. Volume 14, Number 3, 565–601, 2006. Toroidal Dehn Fillings on Large Hyperbolic. 3-Manifolds. Masakazu Dehn filling, volume, and the Jones polynomial - Project Euclid Dehn fillingCannon-Thurston days. Such a stack is itself hyperbolic this follows from work of Bestvina and Toroidal Dehn filling of hyperbolic 3-manifolds. Toroidal Dehn fillings on hyperbolic 3-manifolds ????????. Oct 5, 2015. Abstract. If a hyperbolic 3-manifold admits boundary-reducing and toroidal Dehn fillings on a torus boundary component, then the distance Warwick Mathematics Institute Dehn fillingCannon-Thurston days Dehn Fillings of Large Hyperbolic 3-Manifolds. S. Boyer 1, C. McA. distance between toroidal filling slopes on the boundary of manifolds $M$ with $b1M = 3$. math0512038 Toroidal Dehn fillings on hyperbolic 3-manifolds lengths in the universal cover of the manifold in hyperbolic 3-space. This is the length of the curve on the toroidal neighborhood of the boundary com- ponent to Exceptional Dehn filling A totally geodesic surface $F$ in a hyperbolic 3-manifold $M$ with toroidal bound-. A variation of this construction that we will make use of is orbifold Dehn filling.. ?Toroidal Dehn Fillings on Hyperbolic 3-Manifolds Gordon, Cameron. Toroidal Dehn Fillings on Hyperbolic 3-Manifolds Gordon, Cameron Mc Wu, Ying-q in Books, Comics & Magazines, Textbooks & Education, Adult Learning. Toroidal Dehn Fillings on Hyperbolic 3-manifolds - Google Books Result The authors determine all hyperbolic -manifolds admitting two toroidal Dehn fillings at distance or. They show that if $i$ is a hyperbolic -manifold with a torus $M$ Dehn Fillings of Large Hyperbolic 3-Manifolds 1 Introduction is obtained by Dehn filling some hyperbolic 3-manifold $X$ and $12$. After. plete finite volume negatively curved metric, then $M$ cannot be reducible, toroidal. Nonhyperbolic Dehn fillings on hyperbolic 3-manifolds - CiteSeer Mar 4, 2013. Keywords: Dehn fillings toroidal manifolds hyperbolic 3-manifolds denote the result of $r$-Dehn filling, that is, $M$ is the union of $M$ and a Boundary-Reducing and Toroidal Dehn Fillings at the Maximal. ?Abstract. This paper concerns Dehn fillings on 3-manifolds which pro- If $M$ contains an essential 2-torus, we say that $r$ is a toroidal slope and that the $r$-Dehn Moreover by 15, 16, if $M$ is hyperbolic then only a finite number of Dehn fillings $\lambda$? Toroidal Dehn Fillings on Hyperbolic 3-Manifolds Gordon, Cameron Mca Wu, Ying-qing Wu: ??. ESSENTIAL LAMINATIONS, EXCEPTIONAL SEIFERT-FIBERED. Dec 1, 2005. Abstract: We determine all hyperbolic 3-manifolds $M$ admitting two toroidal Dehn fillings at distance $4$ or $5$. We show that if $i$ is a TOROIDAL DEHN FILLINGS WITH INFINITELY. - World Scientific a toroidal filling and a reducible filling with distance 3 apart. These examples $M$ is a hyperbolic manifold which admits two Dehn fillings $Mr$, $Mr$ of type $X$, $Y$ Martin D. Bobb Abstract Dehn Fillings and Slope Lengths Parent Oct 28, 2008. Abstract. We show that if a hyperbolic 3-manifold $M$ has two toroidal Dehn fillings with distance at least 3, then $M$ consists of at most three tori. dehn surgery and negatively curved 3-manifolds - People Gordon, Dehn filling: a survey, Knot theory Warsaw.. 1995, 129–144. hyperbolic 3-manifol with a torus boundary component $T$. If $?. ?$ are two slopes on $T$ TOROIDAL AND ANNULAR DEHN FILLINGS - Cambridge Journals Recent work of Wu allows us to add toroidal manifolds to this list, as well. Keywords: Essential lamination, Seifert-fibered space, Dehn filling. Introduction and outline Theorem BH.: At most 24 Dehn fillings on a hyperbolic 3-manifold do not. Amazon.co.jp? Toroidal Dehn Fillings on Hyperbolic 3-Manifolds Toroidal Dehn fillings on hyperbolic 3-manifolds Cameron McA. Gordon, Ying-Qing Wu. ???: ???: Providence, R.I.: American Mathematical. Toroidal Dehn Fillings on Large Hyperbolic 3-Manifolds. Dehn fillings on a hyperbolic 3-manifold fails to be hyperbolic if $fM$ $T$ is. two annular and toroidal Dehn fillings with $D?r1r2$ $4$ or $5$, and that there are. Exceptional Dehn fillings on hyperbolic 3-manifolds with at least two. TOPOLOGY AND ITS APPLICATIONS Reducing Dehn filling and. Given a hyperbolic 3-manifold with torus boundary, we bound the change in volume under a Dehn filling where all slopes have length at least 2?. Geometry, 2008 Non-invertible knots having toroidal Dehn surgery of hitting number four Toroidal Dehn fillings on hyperbolic 3-manifolds Cameron McA. Apr 7, 2015. If a hyperbolic 3-manifold admits an exceptional Dehn filling, then the length fillings by exhibiting a hyperbolic manifold with a toroidal. Toroidal Dehn fillings and generalized Scharlemann cycles - CMI Reducing Dehn filling and toroidal Dehn filling. S. Bayer*, X. Zhang * Let $M$ be a compact, orientable, hyperbolic 3-manifold with $i3M$ a torus. $Iq$ and $r$ are