

LIST OF PUBLICATIONS

Michele Mulazzani

Preprints

P. Cristofori, M. Mulazzani: *Compact 3-manifolds via 4-colored graphs*, preprint, 2013.

Publications in Journals

D. Derevnin, A. Mednykh, M. Mulazzani: *Geometry of Trefoil cone-manifold*, Annales Universitatis Scientiarum Budapestinensis -- Sectio Mathematica, to appear.

A. Cattabriga, E. Manfredi, M. Mulazzani: *On knots and links in lens spaces*. Topology and its Applications **160** (2013), 430-442.

M. R. Casali, P. Cristofori, M. Mulazzani: *Complexity computation for compact 3-manifolds via crystallizations and Heegaard diagrams*, Topology and its Applications **159** (2012), 3042-3048.

P. Bandieri, M. R. Casali, . Cristofori, L. Grasselli, M. Mulazzani: *Computational aspects of crystallization theory: complexity, catalogues and classification of 3-manifolds*. Atti del Seminario Matematico e Fisico dell'Universita' d Modena e Reggio Emilia **58** (2011), 11-45.

A. Cattabriga, M. Mulazzani, A. Vesnin: *Complexity, Heegaard diagrams and generalized Dunwoody manifolds*, Journal of the Korean Mathematical Society, **47** (2010), 585-599.

L. Grasselli, M. Mulazzani. *Seifert manifolds and $(1,1)$ -knots*, Siberian Mathematical Journal, **50** (2009), 22-31.

A. Cattabriga, M. Mulazzani. *Extending homeomorphisms from punctured surfaces to handlebodies*, Topology and its Applications **155** (2008), 610-621.

A. Cattabriga, M. Mulazzani. *Extending homeomorphisms from 2-punctured surfaces to handlebodies*, Kobe Journal of Mathematics **24** (2007), 11-20.

P. Cristofori, M. Mulazzani, A. Vesnin: *Strongly-cyclic branched coverings of knots via $(g,1)$ -decompositions*, Acta Mathematica Hungarica **116** (2007), 163-176..

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D. Derevnin, A. Mednykh, M. Mulazzani: *Volumes for twist link cone-manifolds*, Boletín de la Sociedad Matemática Mexicana **10**, special issue, (2004), 129-146.

A. Cattabriga, M. Mulazzani: [All strongly-cyclic branched coverings of \$\(1,1\)\$ -knots are Dunwoody manifolds](#), Journal of the London Mathematical Society **70** (2004), 512-528.

A. Cattabriga, M. Mulazzani: [\$\(1,1\)\$ -knots via the mapping class group of the twice punctured torus](#), Advances in Geometry **4** (2004), 263-277.

- H. Aydin, I. Gultekyn, M. Mulazzani: [Torus knots and Dunwoody manifolds](#), Siberian Mathematical Journal **45** (2004), 1-6.
- A. Cattabriga, M. Mulazzani: [Strongly-cyclic branched coverings of \(1,1\)-knots and cyclic presentations of groups](#), Mathematical Proceedings of the Cambridge Philosophical Society **135** (2003), 137-146.
- M. Mulazzani: [Cyclic presentations of groups and cyclic branched coverings of \(1,1\)-knots](#), Bulletin of the Korean Mathematical Society **40** (2003), 101-108.
- M. Mulazzani, A. Vesnin: *Generalized Takahashi manifolds*, Osaka Journal of Mathematics **39** (2002), 705-721.
- S. Lins, M. Mulazzani: [Isomorphisms and homeomorphisms of a class of graphs and spaces](#), Aequationes Mathematicae **64** (2002), 110-127.
- M. Mulazzani, R. Piergallini: *Lifting braids*, Rendiconti dell'Istituto Matematico dell'Università di Trieste, Suppl. 1, **XXXII** (2001), 193-219.
- M. Mulazzani, A. Vesnin: *The many faces of cyclic branched coverings of 2-bridge knots and links*, Atti del Seminario Matematico e Fisico dell'Università di Modena, Supplemento al Vol. IL (2001), 177-215.
- M. Mulazzani: *On periodic Takahashi manifolds*, Tsukuba Journal of Mathematics **25** (2001), 229-237.
- L. Grasselli, M. Mulazzani: [Genus one 1-bridge knots and Dunwoody manifolds](#), Forum Mathematicum **13** (2001), 379-397.
- M. Mulazzani: [On p-symmetric Heegaard splittings](#), Journal of Knot Theory and its Ramifications **9** (2000), 1059-1067.
- L. Grasselli, M. Mulazzani, R. Nedela: [2-symmetric transformations for 3-manifolds of genus two](#), Journal of Combinatorial Theory Series B **79** (2000), 105-130.
- P. Bandieri, A.C. Kim, M. Mulazzani: *On the cyclic coverings of the knot 5_2* , Proceedings of The Edinburgh Mathematical Society **42** (1999), 575-587.
- P. Frosini, M. Mulazzani: [Size homotopy groups for computation of natural size distances](#), Bulletin of The Belgian Mathematical Society - Simon Stevin **6** (1999), 455-464.
- M. Mulazzani, R. Piergallini: [Representing links in 3-manifolds by branched coverings of \$S^3\$](#) , Manuscripta Mathematica **97** (1998), 1-14.
- M. Mulazzani: *Stiff genus of groups*, Ars Combinatoria **50** (1998), 33-51.
- S. Lins, M. Mulazzani: *On the vertex groups of n-manifolds*, Geometriae Dedicata **62** (1996), 53-64. (see [preprint](#))
- M. Mulazzani: *A family of gems for Brieskorn 3-manifolds*, Journal of Combinatorics, Information & System Sciences **21** (1996), 95-112.
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- M. Mulazzani: [Lins-Mandel graphs representing 3-manifolds](#), Discrete Mathematics **140** (1995), 107-

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E. Manfredi, M. Mulazzani: *Reidemeister type moves for knots and links in lens spaces*. Analele Științifice ale Universității "Ovidius" Constanța. Seria Matematică **20** (2012), 115-130.

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M. Mulazzani: *3-manifolds with cyclic symmetry and $(1,1)$ -knots*, in: Recent Advances in Group Theory and Low-Dimensional Topology (J. R. Cho and J. Mennicke eds.), Proc. German-Korean Workshop at Pusan, August 2000, Research and Exposition in Mathematics **27**, Heldermann Verlag, 2003, pp. 155-162. (see [preprint](#))

M. Mulazzani: [An intrinsic characterization of \$p\$ -symmetric Heegaard splittings](#), Proceedings of the Ninth Prague Topological Symposium, (Prague, 2001), Topology Atlas, Toronto, 2002, pp. 217-222.

L.Grasselli, M. Mulazzani: *Generalized Lins-Mandel spaces and branched coverings of S^3* , Disertaciones Matematicas del Departamento de Matematicas Fundamentales de la U.N.E.D. **12** (1996).

Ph.D. Thesis

M. Mulazzani: *Caratterizzazione topologica degli spazi di Lins e Mandel*, Tesi di Dottorato, Universita' di Bologna, 1994.