

Zeitschrift: L'Enseignement Mathématique
Band: 48 (2002)
Heft: 3-4: L'ENSEIGNEMENT MATHÉMATIQUE

Artikel: TORSION NUMBERS OF AUGMENTED GROUPS WITH APPLICATIONS TO KNOTS AND LINKS

Bibliographie

Autor: Silver, Daniel S. / Williams, Susan G.

DOI: <https://doi.org/10.5169/seals-66079>

Nutzungsbedingungen

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. [Siehe Rechtliche Hinweise.](#)

Conditions d'utilisation

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. [Voir Informations légales.](#)

Terms of use

The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. [See Legal notice.](#)

Download PDF: 06.10.2024

ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>

REFERENCES

- [Al28] ALEXANDER, J. W. Topological invariants of knots and links. *Trans. Amer. Math. Soc.* 30 (1928), 275–306.
- [AB27] ALEXANDER, J. W. and G. B. BRIGGS. On types of knotted curves. *Ann. of Math.* 28 (1927), 562–586.
- [Ba77] BAKER, A. The theory of linear forms in logarithms. In: *Transcendence Theory: Advances and Applications (Proc., Univ. Cambridge, Cambridge, 1976)*. Academic Press, London, 1977.
- [Bo81] BOYD, D. W. Speculations concerning the range of Mahler's measure. *Canad. Math. Bull.* 24 (1981), 453–469.
- [Br92] BRUALDI, R. A. *Introductory Combinatorics*. 2nd ed., Prentice Hall, N.J., 1992.
- [Cr65] CROWELL, R. H. Torsion in link modules. *J. Math. Mech.* 14 (1965), 289–298.
- [EEW00] EINSIEDLER, M., G. R. EVEREST and T. WARD. Primes in sequences associated to polynomials (after Lehmer). *LMS J. Comput. Math.* 3 (2000), 125–139.
- [Ev99] EVEREST, G. R. On the elliptic analogue of Jensen's formula. *J. London Math. Soc.* (2) 59 (1999), 21–36.
- [EF96] EVEREST, G. R. and B. NÍ FHLATHÚIN. The elliptic Mahler measure. *Math. Proc. Cambridge Philos. Soc.* 120 (1996), 13–25.
- [EW99] EVEREST, G. and T. WARD. *Heights of Polynomials and Entropy in Algebraic Dynamics*. Springer-Verlag, London, 1999.
- [Fo56] FOX, R. H. Free differential calculus. III. Subgroups. *Ann. of Math.* (2) 64 (1956), 407–419.
- [Ge35] GELFOND, A. O. On the approximation of transcendental numbers by algebraic numbers. *Dokl. Akad. Nauk SSSR* 2 (1935), 177–182.
- [Go72] GORDON, C. MCA. Knots whose branched coverings have periodic homology. *Trans. Amer. Math. Soc.* 168 (1972), 357–370.
- [Go78] ——— Some aspects of classical knot theory. In: *Knot Theory (Proc. Plans-sur-Bex, Switzerland, 1977)*, 1–60. Lecture Notes in Mathematics 685 (J. C. Hausmann). Springer-Verlag, Berlin, Heidelberg, New York, 1978.
- [GS91] GONZÁLEZ-ACUÑA, F. and H. SHORT. Cyclic branched coverings of knots and homology spheres. *Rev. Mat. Univ. Complut. Madrid* 4 (1991), 97–120.
- [Hi81] HILLMAN, J. A. *Alexander Ideals of Links*. Lecture Notes in Math. 895. Springer-Verlag, Berlin, Heidelberg, New York, 1981.
- [HS97] HILLMAN, J. A. and M. SAKUMA. On the homology of finite abelian coverings of links. *Canad. Math. Bull.* 40 (1997), 309–315.
- [Ka96] KAWAUCHI, A. *A Survey of Knot Theory*. Birkhäuser, Basel, 1996.
- [La65] LANG, S. *Algebra*. Addison-Wesley, Reading, 1971.
- [Le33] LEHMER, D. H. Factorization of certain cyclotomic functions. *Ann. of Math.* 34 (1933), 461–479.
- [Li97] LICKORISH, W. B. *An Introduction to Knot Theory*. Springer-Verlag, Berlin, 1997.

- [LW88] LIND, D. and T. WARD. Automorphisms of solenoids and p -adic entropy. *Ergod. Theory Dynam. Systems* 8 (1988), 411–419.
- [LSW90] LIND, D., K. SCHMIDT and T. WARD. Mahler measure and entropy for commuting automorphisms of compact groups. *Invent. Math.* 101 (1990), 593–629.
- [MM82] MAYBERRY, J.P. and K. MURASUGI. Torsion-groups of abelian coverings of links. *Trans. Amer. Math. Soc.* 271 (1982), 143–173.
- [Me80] MEHTA, M. L. On a relation between torsion numbers and Alexander matrix of a knot. *Bull. Soc. Math. France* 108 (1980), 81–94.
- [Ne65] NEUWIRTH, L.P. *Knot Groups*. Princeton Univ. Press, Princeton (N.J.), 1965.
- [Ri90] RILEY, R. Growth of order of homology of cyclic branched covers of knots. *Bull. London Math. Soc.* 22 (1990), 287–297.
- [Ro76] ROLFSEN, D. *Knots and Links*. Publish or Perish, Berkeley, CA, 1976.
- [Sa79] M. SAKUMA. The homology groups of abelian coverings of links. *Math. Sem. Notes Kobe Univ.* 7 (1979), 515–530.
- [Sa95] — Homology of abelian coverings of links and spatial graphs. *Canad. J. Math.* 47 (1995), 201–224.
- [Sc95] SCHMIDT, K. *Dynamical Systems of Algebraic Origin*. Birkhäuser Verlag, Basel, 1995.
- [SW00] SILVER, D.S. and S.G. WILLIAMS. Mahler measure, links and homology growth. *Topology* 41 (2002), 979–991.
- [St00] STEVENS, W.H. Recursion formulas for some abelian knot invariants. *J. Knot Theory Ramifications* 9 (2000), 413–422.
- [We80] WEBER, C. Sur une formule de R.H. Fox concernant l'homologie d'un revêtement ramifié. *L'Enseignement Math.* (2) 25 (1980), 261–272.
- [Yo86] YOUNG, R.M. On Jensen's formula and $\int_0^{2\pi} \log |1 - e^{i\theta}| d\theta$. *Amer. Math. Monthly* 93 (1986), 44–45.
- [Za32] ZARISKI, O. On the topology of algebroid singularities. *Amer. J. Math.* 54 (1932), 453–465.

(Reçu le 2 mars 2002)

Daniel S. Silver
Susan G. Williams

Dept. of Mathematics and Statistics
Univ. of South Alabama
Mobile, AL 36688-0002
U. S. A.
e-mail: silver@jaguar1.usouthal.edu
williams@jaguar1.usouthal.edu

Vide-leer-empty