

Zeitschrift: L'Enseignement Mathématique
Band: 45 (1999)
Heft: 1-2: L'ENSEIGNEMENT MATHÉMATIQUE

Artikel: ON GROUPS ACTING ON NONPOSITIVELY CURVED CUBICAL COMPLEXES

Bibliographie

Autor: BALLMANN, Werner / WITKOWSKI, Jacek

DOI: <https://doi.org/10.5169/seals-64441>

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: 15.10.2024

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

REFERENCES

- [AB] ALEXANDER, S. and R. BISHOP. The Hadamard-Cartan theorem in locally convex metric spaces. *L'Enseignement Math.* (2) 36 (1990), 309–320.
- [Ba] BALLMANN, W. *Lectures on Spaces of Nonpositive Curvature*. DMV Seminar 25. Birkhäuser Verlag, 1995.
- [BB] BALLMANN, W. and M. BRIN. Polygonal complexes and combinatorial group theory. *Geom. Dedicata* 50 (1994), 165–191.
- [BS] BALLMANN, W. and J. ŚWIĄTKOWSKI. On L^2 -cohomology and property (T) for automorphism groups of polyhedral cell complexes. *GAFA* 7 (1997), 615–645.
- [Bar] BARRE, S. Immeubles de Tits triangulaires exotiques. Preprint, 1998.
- [Be] BENAKLI, N. Polygonal complexes I: Combinatorial and geometric properties. *J. Pure Appl. Algebra* 97 (1994), 247–263.
- [B-Z] BJÖRNER, B., M. LAS VERGNAS, B. STURMFELS, N. WHITE and G. ZIEGLER. *Oriented Matroids*. Cambridge University Press, 1993.
- [B1] BRIDSON, M. Geodesics and curvature in metric simplicial complexes. In: *Group theory from a geometrical viewpoint*. E. Ghys, A. Haefliger, A. Verjovsky, eds. Proceedings ICTP, Trieste. World Scientific, 1991.
- [B2] ——— On the semisimplicity of polyhedral isometries. Preprint, 1997.
- [BH] BRIDSON, M. and A. HAEFLIGER. *Metric Spaces of Non-Positive Curvature*. Book preprint.
- [Br] BRØNDSTED, A. *An Introduction to Convex Polytopes*. Graduate Texts in Math. 90. Springer, New York, 1983.
- [CD] R. CHARNEY, R. and M. DAVIS. Strict hyperbolization. *Topology* 34 (1995), 329–350.
- [CE] CHEEGER, J. and D. EBIN. *Comparison Theorems in Riemannian Geometry*. North Holland, Amsterdam-New York, 1975.
- [Da] DAVIS, M. Buildings are $CAT(0)$. In: *Proc. LMS Durham Symposium on Geometry and Cohomology in Group Theory*. P. Kropholler, R. Stohr, eds. LMS Lecture Notes, Cambridge University Press (to appear).
- [DJ1] DAVIS, M. and T. JANUSZKIEWICZ. Hyperbolization of polyhedra. *J. Differential Geom.* 34 (1991), 347–388.
- [DJ2] DAVIS, M. and T. JANUSZKIEWICZ. Convex polytopes, Coxeter orbifolds and torus actions. *Duke Math. J.* 62 (1991), 417–451.
- [DJS] DAVIS, M., T. JANUSZKIEWICZ and P. SCOTT. Nonpositive curvature of blow-ups. *Selecta Math.* (to appear).
- [Go] GONCIULEA, C. Infinite Coxeter groups virtually surject onto \mathbf{Z} . Preprint, Ohio State University, 1996.
- [Gr] GROMOV, M. Hyperbolic groups. In: *Essays in Group Theory*, S. M. Gersten ed. *M.S.R.I. Publ.* 8. Springer Verlag, 1987.
- [H] HAGLUND, F. Les polyèdres de Gromov. *C. R. Acad. Sci. Paris* 313 (1991), 603–606.
- [HV] DE LA HARPE, P. and A. VALETTE. La propriété (T) de Kazhdan pour les groupes localement compacts. *Astérisque* 175. Soc. Math. France, 1989.
- [Mo] MOUSSONG, G. Hyperbolic Coxeter groups. PhD thesis (Ohio State University), 1988.

- [NR] NIBLO G. and L. REEVES. Groups acting on $CAT(0)$ cube complexes. *Geom. Topol.* 1 (1997), 1–7.
- [PV] PAYS, I. and A. VALETTE. Sous-groupes libres dans les groupes d'automorphismes d'arbres. *L'Enseignement Math.* (2) 37 (1991), 151–174.
- [Sw] ŚWIĄTKOWSKI, J. Trivalent polygonal complexes of nonpositive curvature and Platonic symmetry. *Geom. Dedicata* 70 (1998), 87–110.

(Reçu le 14 mai 1998)

Werner Ballmann

Mathematisches Institut der Universität Bonn
Wegelerstrasse 10
53115 Bonn
Germany
e-mail: ballmann@math.uni-bonn.de

Jacek Świątkowski

Instytut Matematyczny
Uniwersytet Wrocławski
pl. Grunwaldzki 2/4
50-384 Wrocław
Poland
e-mail: swiatkow@math.uni.wroc.pl

vide-leer-empty