

Martin R. Bridson

Bibliography, August 2025

Monograph

- *Metric spaces of non-positive curvature* (with A. Haefliger), *Grund. Math. Wiss.* 319. Springer-Verlag, Berlin, 1999.

Refereed Articles

1. *Absolute profinite rigidity, direct products, and finite presentability* (with A.W. Reid and R. Spitler), *Duke Math. J.* (in press); arXiv:2312.06058.
2. *Ordinals arising as residual finiteness depths*, *Rev. Mat. Iberoam.* (2025), online first. DOI: 10.4171/RMI/1569
3. *Helly-type theorems, CAT(0) spaces, and actions of automorphism groups of free groups*, *Adv. Math.* **475** (2025), Paper No. 110343.
4. *Profinite rigidity for free-by-cyclic groups with centre*, (with P. Piwek), *J. Lond. Math. Soc.* (2) **111** (2025), Paper No. e70181.
5. *Chasing finite shadows of infinite groups through geometry*, to appear in Proceedings of 9ECM, the European Congress of Mathematics, Sevilla, 2024. arXiv:2504.11684
6. *On the geometry of the free factor complex for $\text{Aut}(F_N)$* (with M. Bestvina and R.D. Wade), *Groups Geom. Dyn.* **19** (2025), 445–457.
7. *Commensurations of $\text{Aut}(F_N)$ and its Torelli subgroup* (with R.D. Wade), *Geom. Funct. Anal.* **34** (2024), 1310–1336.
8. *Direct products of free groups in $\text{Aut}(F_N)$* (with R.D. Wade), *Geom. Funct. Anal.* **34** (2024), 1337–1369.
9. *Weak commutativity, virtually nilpotent groups, and Dehn functions* (with D.H. Kochloukova), *Comment. Math. Helv.* **99** (2024), 1–37.
10. *Profinite completions of free-by-free groups contain everything*, *Q. J. Math.* **75** (2024), 139–142.

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20. *Absolute profinite rigidity and hyperbolic geometry* (with D.B. McReynolds, A.W. Reid and R. Spitler). Ann. of Math. (2) **192** (2020), 679–719.
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Submitted for Publication

1. *The complexity of balanced presentations and the Andrews-Curtis conjecture*, arXiv:1504.04187.
2. *Rigidity of the free factor complex* (with M. Bestvina), arXiv:2306.05941.
3. *Conjugacy in fibre products, distortion, and the geometry of cyclic subgroups*, arXiv:2507.17598.
4. *Relatively hyperbolic groups, Grothendieck pairs, and uncountable profinite ambiguity among fibre products* (with A.W. Reid), arXiv:2507.15009.
5. *On the conjugacy problem for subdirect products of hyperbolic groups*, arXiv:2507.05087.
6. *Linear Diophantine equations and conjugator length in 2-step nilpotent groups* (with T.R. Riley), arXiv:2506.01239.
7. *The lengths of conjugators in the model filiform groups* (with T.R. Riley), arXiv:2506.01235.
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Obituary

1. *Maryam Mirzakhani*, The Guardian, 19 July 2017.