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3. E: [Multiscale analysis of density functional theory](#) (In: 6th International Congress on Industrial and Applied Mathematics Zürich, Switzerland, 16-20 July 2007, Pub: 2009)
4. Fortin et al.: [Frictional contact in solid mechanics](#) (In: 6th International Congress on Industrial and Applied Mathematics Zürich, Switzerland, 16-20 July 2007, Pub: 2009)
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3. Baumslag, Miller III, Ostheimer: [Subgroups of free metabelian groups](#) (GGD 2016)
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Effective coherence of groups discriminated by a locally quasi-convex hyperbolic group

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Résumé de
l'article

We prove that every finitely generated group G discriminated by a locally quasi-convex torsion-free hyperbolic group Γ is effectively coherent: that is, presentations for finitely generated subgroups can be computed from the subgroup generators. We study G via its embedding into an iterated centralizer extension of Γ , and prove that this embedding can be computed. We also give algorithms to enumerate all finitely generated groups discriminated by Γ and to decide whether a given group, with decidable word problem, is discriminated by Γ . If Γ may have torsion, we prove that groups obtained from Γ by iterated amalgamated products with virtually abelian groups, over elementary subgroups, are effectively coherent.

Keywords: Hyperbolic groups, quasi-convexity, discrimination, subgroup presentations, algorithmsBumagin Inna, Macdonald Jeremy: Effective coherence of groups discriminated by a locally quasi-convex hyperbolic group. *Groups Geom. Dyn.* 10 (2016), 545-582. doi: [10.4171/GGD/356](#)

Une question, un problème ?

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