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The bending lamination conjecture for hyperbolic 3-manifolds

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Convex co-compact hyperbolic manifolds contain a smallest non-empty geodesically convex subset, called their convex core. The "pleating" of the boundary of this convex core is recorded by a measured lamination, called the bending lamination, and Thurston conjectured that convex co-compact hyperbolic 3-manifolds are uniquely determined by their bending lamination. We will describe a proof of this conjecture (joint with Bruno Dular) and then explain how the statement is part of a broader picture concerning convex domains in hyperbolic manifolds.

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