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Luc Hillairet (luc.hillairet@univ-orleans.fr), Université d'Orléans, UFR Sciences Bâtiment de mathématiques, Rue de Chartres, Orleans, IN B.P. 6759, and **Chris Judge*** (cjudge@indiana.edu), Indiana University, Department of mathematics, 831 E. Third St, BLOOMINGTON, IN 47401. *The Laplacian on a hyperbolic triangle has no positive Neumann eigenvalues.*

Consider the Laplacian acting on functions on a geodesic triangle in the upper half plane having normal derivative zero. We show that for the generic choice of triangle, this operator has no nonconstant L^2 eigenfunctions. (Received September 01, 2013)