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Magnetic resolvent trace formula for 2d black hole vacua.

We compute the Hadamard regularized trace of the automorphic resolvent kernel of a Schrodinger operator H(B) with a uniform magnetic field of strength B on the upper half plane for a 2d black hole vacuum. H(B) is essentially a Maass Laplacian of weight B,in terms of which its point spectrum is expressed.In the absence of a magnetic field (the special case with B=0),our result reduces to a known result due,for example,to D.Borthwick,C.Judge,and P.Perry. (Received December 20, 2013)