

Sign changes of Fourier coefficients of half-integral weight modular forms

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For a square-free integer n , Waldspurger showed that square of the n th Fourier coefficient of a half-integral weight Hecke cusp form is proportional to the central value of an L -function. It remains to understand the sign of the coefficient. In this talk I will discuss joint work with Maks Radziwill (McGill) in which we study the number of sign changes of coefficients of such forms.

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