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J Gordon* (gor@math.toronto.edu), University of Toronto, Toronto, Ontario M6P 2P2, Canada, and **C Cunningham** (cunning@math.ucalgary.ca), University of Calgary, 2500 University Drive NW, Calgary, Alberta, Canada, T2N 1N4. *Some motivic calculations in $SL(2)$.*

We use motivic integration to relate depth zero characters of the p-adic group $SL(2)$ to Fourier transforms of elliptic orbital integrals. (Received February 09, 2006)