

**On the Fourier coefficients of elliptic modular forms of half-integral weight**  
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**Abstract** It is known that if the Fourier coefficients  $a(n)$  ( $n \geq 1$ ) of an elliptic modular form of even integral weight  $k \geq 2$  on the Hecke congruence subgroup  $\Gamma_0(N)$  ( $N \in \mathbf{N}$ ) satisfy the bound  $a(n) \ll_f n^c$  for all  $n \geq 1$ , where  $c > 0$  is any number strictly less than  $k - 1$ , then  $f$  must be cuspidal. Here we investigate the case of half-integral weight modular forms. This is a joint work with W. Kohnen.