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Aaron Pollack* (aaron.pollack@duke.edu). *Modular forms on exceptional groups.*

Suppose that G is a reductive group over the rationals, which is either split G_2 or a form of F_4, E_6, E_7, E_8 with real rank four. Then G supports a special class of automorphic functions, the so-called modular forms, whose study was initiated by Gross-Wallach and Gan-Gross-Savin. I will define these objects and explain what is known about them. (Received February 04, 2019)