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Qinghua Pi* (qhpi@sdu.edu.cn). *On some results proved by analytic properties of automorphic L -functions.*

It is well known that automorphic forms have deep relation with the associated automorphic L -functions. By the analytic properties of L -functions, we can prove some results on relevant automorphic forms. In this talk, we will review some results such as effective multiplicity one theorem, determination of automorphic forms by L -values, and then report some relevant problem we are working on. (Received August 28, 2016)