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)