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Unramified calculation of tensor L-functions

Following Langlands' conjectures around 1970s, one expects nice analytic properties of automorphic L-functions. In this talk we will begin from an introduction of an approach to this problem, which is called the integral representation. Then we will go to one of the important cases, the tensor L-function for classical groups. We will talk about the construction of L-function in this case, and one critical step, the unramified calculation, which is the speaker's thesis work.