

The knowledge of $H(X)$ plays an important role in algorithms which count the number of points on elliptic curves over finite fields.

I know A. Bayad and his work since his Phd-thesis, where he started his study of Jacobi forms. Since then he has become a specialist in this field with its various applications in different areas of mathematics, most important in algebraic number theory. His publications are in quantity and quality more then sufficient to justify a habilitation. Studying his recent publications I clearly get the impression that there are many interesting open problems related to his work which wait to be solved. This is an excellent starting point to begin to lead students to do research in mathematics. I therefore strongly support the habilitation of A. Bayad.



Privatdozent Dr. Werner Bley