

HYPERGEOMETRIC MOTIVES

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The families of motives of the title arise from classical one-variable hypergeometric functions. This talk will focus on the calculation of their corresponding L-functions. These represent a fairly wide class of L-functions that are numerically accessible going well beyond standard cases.

Joint work with Frits Beukers (University of Utrecht), Henri Cohen (Universite de Bordeaux), Anton Mellit (ICTP), David Roberts (University of Minnesota, Morris), Masha Vlasenko (University College Dublin) and Mark Watkins (MAGMA group, University of Sydney).