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UNIVERSITÄT
HEIDELBERG
ZUKUNFT
SEIT 1386

SPECIAL SEMINAR PHYSICAL MATHEMATICS

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Hypergeometric Calabi-Yau motives and their Birch-Swinnerton-Dyer volumes

Abstract: We give closed hypergeometric expressions for the Birch–Swinnerton-Dyer volumes of certain rank 4 weight 3 Calabi–Yau motives presumed to be of analytic rank 1. We compare the first derivative of the L –functions of these motives at the central argument $s = 2$ to the B-SD volumes.

Friday, October 28, 2022, MATHEMATIKON SR 9, 11h (c.t.)

24. October 2022

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