Workshop Calabi-Yau Motives

28.-30.01.2019

Speakers:

Valery Gritsenko (Université de Lille)

Infinite series of anti-symmetric paramodular forms of weight 3

A finite number of anti-symmetric paramodular forms of weight 3 for polarisations t=122, 167, 173, 197, 213, and 285 were constructed in terms of theta-blocks and Borcherds products in my paper with Cris Poor and David Yuen. In particular, using the paramodular form for t=122 we can give a formula for the new paramodular form of weight 3 for polarisation 61. In this talk I present an infinite series of anti-symmetric paramodular forms of weight 3. This is our joint project with Haowu Wang (Lille).