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Counting Fourier-Mukai partners of ordinary K3 surfaces

In this talk, I will discuss derived categories of ordinary K3 surfaces over a field of positive characteristic and show that the Fourier-Mukai partners of an ordinary K3 surface are in one-to-one correspondence with the Fourier-Mukai partners of the geometric generic fiber of its canonical lift, thereby giving an implicit counting formula for them. This result is a part of my PhD thesis.

Donnerstag, 13.12.2018, 12:00 – 13:00, g117