

ONE PARAMETER FAMILIES OF CALABI-YAU THREEFOLDS WITH TRIVIAL MONODROMY

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Joint work with D. van Straten In a long lasting hunt for Picard-Fuchs operators of Calabi-Yau threefolds we produced several examples with quite special properties. In the talk I will present some one-parameter families of Calabi-Yau threefolds which admit singular fibers with finite local monodromy groups and give some geometric reasons of such phenomenon. Institute of Mathematics, Jagiellonian University, Lojasiewicza 6, 30-348 Krakow, Poland E-mail address: slawomir.cynk@uj.edu.pl