Seminario di Geometria

Giovedì 9 Giugno 2022, ore 14:15

AULA A

Dipartimento di Matematica e Fisica
Università degli studi Roma Tre
Via della Vasca Navale 84

Speaker: Prof. Lars Halvard Halle (Bologna)

Titolo: *On log good reduction of K3 surfaces admitting a triple-point-free model*

Let X be a proper smooth variety over a complete discretely valued field K. One says that X has log good reduction if it admits a log smooth and proper model over the ring of integers of K. In general, it is quite non-obvious whether or not such a model exists.

If X is a curve, there is a neat criterion (due to T. Saito and J. Stix) in terms of the geometry of a suitable normal crossings model of X. In my talk, I will present a geometric criterion for log good reduction when X is a K3 surface admitting a triple-point-free model. This is joint work in progress with J. Nicaise.