

Hassett, Brendan; Tschinkel, Yuri

Rational points on $K3$ surfaces and derived equivalence. (English) [Zbl 1386.14136](#)

Auel, Asher (ed.) et al., Brauer groups and obstruction problems. Moduli spaces and arithmetic. Basel: Birkhäuser/Springer (ISBN 978-3-319-46851-8/hbk; 978-3-319-46852-5/ebook). Progress in Mathematics 320, 87-113 (2017).

Summary: We study $K3$ surfaces over non-closed fields and relate the notion of derived equivalence to arithmetic problems.

For the entire collection see [\[Zbl 1368.14003\]](#).

MSC:

- [14J28](#) $K3$ surfaces and Enriques surfaces
- [14G20](#) Local ground fields in algebraic geometry
- [14F05](#) Sheaves, derived categories of sheaves, etc. (MSC2010)
- [11G25](#) Varieties over finite and local fields
- [14G05](#) Rational points

Cited in **3** Documents

Keywords:

$K3$ surface; derived category of coherent sheaves; rational point

Full Text: [DOI](#) [arXiv](#)