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**Prof. Dr. Remke Kloosterman**

**The maximal number of triple points on a quintic threefold.**

**Abstract.** From Varschenko's spectral bound it follows that a quintic threefold can have at most 11 triple points. In this talk we will show that a quintic threefold containing a plane has at most 10 triple points. Moreover, we will give evidence for the fact every quintic threefold with at least 10 isolated triple points contains a plane.