

Oberseminar Topologie: 21.10.2019

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„Topological spaces attached to systems of Diophantine equations.“

Abstract:

We attach some pretty gruesome topological spaces to systems of Diophantine equations. These spaces are equipped with an action of the multiplicative group of positive rational numbers and we discuss relations between the topology and the group action on the one hand and the arithmetic of the Diophantine equations on the other.