

Torsion-free Witt groups of hermitian forms

Thomas Unger, University College Dublin, Ireland

(Joint work with Vincent Astier)

It is well-known that the Witt ring of a formally real pythagorean field is torsion free. Let $W(D, \sigma)$ be the Witt group of hermitian forms over a division algebra D with involution σ . I will discuss conditions under which $W(D, \sigma)$ is torsion free.