

1109-12-213

David B. Leep* (leep@email.uky.edu), Department of Mathematics, 715 Patterson Office Tower, University of Kentucky, Lexington, KY 40506-0027. *Subspaces of zeros of pairs of quadratic forms and the u -invariant of a rational function field.* Preliminary report.

I will report on continued investigations on the connections between finding subspaces of zeros of pairs of quadratic forms and the computation of the u -invariant of a rational function field $k(t)$ where the characteristic of k is not 2. (Received February 01, 2015)