

« GÉOMÉTRIE ALGÈBRE AFFINE. UN ATELIER EN L'HONNEUR DE PETER RUSSELL »  
1–5 JUIN 2009

“AFFINE ALGEBRAIC GEOMETRY. A CONFERENCE IN HONOUR OF PETER RUSSELL”  
JUNE 1–05, 2009

How to construct varieties without cancellation property?

ZBIGNIEW JELONEK

Instytut Matematyczny PAN  
Polish Academy of Sciences  
Sniadeckich 8  
Warsaw, Mazowsze 00-956  
POLAND

najelone@cyf-kr.edu.pl

---

I show that for every affine variety of dimension  $n > 7$  there exists a birational modification  $f : X \dashrightarrow X'$ , such that the affine variety  $X' \times k^2$  has not the cancellation property.