

## Projectivization

March-03-08  
9:39 AM

Perhaps the theory of expansions should be called the theory of projectivization?

$A \mapsto A^{ft}$  "the projectivization functor"

$Z: A \rightarrow A^{ft}$  still, an "expansion".

So really,  $A^{ft}$  should be renamed  
 $A^{proj}$  or  $A^{\Pi}$

---

There must be a Gaussian-Elimination-style algorithm to find the projectivization of a finitely-presented group!

---

I need some book knowledge about Malcev completions and their likes!

---

Question What is the projectivization of "A Frobenius algebra"  $\mathcal{Z}_0$  (I.e., of  $CoB \mathcal{Z}_0$ )

Check out Jennings, torsion-free nilpotent f.g. groups (Canad. Journal?).

Check out Papadima (Top & Appl?) for an algebraic construction of an expansion for the braid group.