

# SEMINÁRIO DE ÁLGEBRA

## Supersolvable Frobenius groups with nilpotent centralizers

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**Abstract.** Let  $FH$  be a supersolvable Frobenius group with kernel  $F$  and complement  $H$ . Suppose that a finite group  $G$  admits  $FH$  as a group of automorphisms in such a manner that  $C_G(F) = 1$  and  $C_G(H)$  is nilpotent of class  $c$ . In this talk we show that  $G$  is nilpotent of  $(c, |FH|)$ -bounded class.