Víctor Manuel Ortiz-Sotomayor (Universitat Politècnica de València, Spain): "Conjugacy classes and π-structure of factorised groups"

ABSTRACT: A current activity in finite group theory shows up that, in a factorised group, the sizes of the conjugacy classes in the group of the elements in the factors have a strong impact on the whole group structure. The aim of this talk is to report about new progress within this research line. More concretely, we analyse the π-structure of a factorised group when the class sizes of some π-elements in the factors are either π-numbers or π'-numbers, for a set of primes π.

Joint work with María José Felipe and Ana Martínez-Pastor ([1]).

References

[1] M.J. Felipe, A. Martínez-Pastor and V.M. Ortiz-Sotomayor: Products of groups and class sizes of π-elements. *Submitted* (2019).