

SEMINARIO IMAC

Estructuras Algebraicas y Teoría de Códigos Correctores de Errores



**Conferencia a cargo
de
Changguo Shao
*University of Jinan, China***

Quantitative Characterizations of Finite Groups

ABSTRACT: Let $\pi_e(G)$ be the set of element orders of a finite group G and let $m_i = |\{g \in G \mid o(g) = i\}|$. In this talk, we concentrate on the properties of quantity of finite groups. We divide the talk into two parts: (1) The influence of conjugacy class sizes of some elements of a finite group; (2) The characterization of finite simple groups by NSE (number of same order elements), where $nse(G) = \{m_i \mid i \in \pi_e(G)\}$.

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