

SEMINARIO IMAC

Estructuras Algebraicas y Teoría de Códigos Correctores de Errores



**Conferencia a cargo
de
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A new characterization of Suzuki's simple groups

ABSTRACT: Let G be a finite group. A vanishing element of G is an element g of G such that $\chi(g) = 0$ for some irreducible complex character χ of G . Denote by $\text{Vo}(G)$ the set of the orders of vanishing elements of G . In this talk, we prove that if G is a finite group such that $\text{Vo}(G) = \text{Vo}(\text{Sz}(2^{2m+1}))$, $m \geq 1$, then G is isomorphic to $\text{Sz}(2^{2m+1})$.

Fecha: 3 de mayo de 2017

Hora: 12.00

Lugar: **IMAC** (Seminario TI1329SD), ESTCE.
Universitat Jaume I de Castelló

