

SEMINARIO

Hiram H. López

Cleveland State University, EEUU

Applications of Cartesian codes

Abstract:

A simple way to define an evaluation code is as a linear code that depends on a set of functions and a set of points. The evaluation code is obtained when the functions are evaluated on the points. One of the most classical examples is a Reed-Solomon code. In this talk we will see how evaluation codes can be studied using basic tools of commutative algebra. Then we will focus on a family of evaluation codes known as Cartesian codes. We will study how they are defined and some of its applications to LCD codes, quantum codes, and locally recoverable codes.

El seminario tendrá lugar en Webex:

Número de reunión: 137 200 6870

[https://profevirtual.webex.com/profevirtual/j.php?](https://profevirtual.webex.com/profevirtual/j.php?MTID=m778fd93d943105166eb86b62306d34f3)

[MTID=m778fd93d943105166eb86b62306d34f3](https://profevirtual.webex.com/profevirtual/j.php?MTID=m778fd93d943105166eb86b62306d34f3)

Para participar y recibir la contraseña de la reunión se necesita registro:

<https://forms.gle/sYzJW1uEdCtef4VX8>

Webex (número de reunión 137 200 6870)

Martes 30 de Junio de 2020 (16:00)

Organiza: GIR SINGACOM

