



NUMBER THEORY SESSION

ON SOME MONOMIAL EVALUATION CODES AND THEIR DUALS

Cícero Carvalho*
(UFU - Brazil)

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14h50 - 15h30

Online

Abstract.

In this talk we would like to present some results on the parameters of a family of evaluation codes defined over the points of the so-called extended norm-trace curve, and their duals. We will also present some facts from Gröbner basis theory which, together with the concept of indicator functions, will be useful in studying this new class of codes.

Joint work with Hiram Lopes and Gretchen Matthews (Virginia Tech).

Keywords: Evaluation codes, indicator function, dual codes.

*Email: cicero@ufu.br