

FATIH UNIVERSITY

Department of Mathematics Seminars on

Codes, Cryptography and Combinatorics

Dear Colleagues,

You are cordially invited to attend the following seminar organized by the

department of mathematics.

Speaker : PhD. St. Refia AKSOY

Title : Lifts of Self-dual Codes

Abstract : In this work, lifts of the binary self-dual codes to the ring family of R_k by using basic tools of linear algebra are described. By applying method to the extremal binary self-dual [14,7,4] code in the specific case of R_2 , a family of self-dual codes over R_2 of length 14 are constructed. As Gray images of these codes [56,28,10] binary self-dual codes are obtained. Ten extremal binary self-dual [58,29,10] codes with new weight enumerators are found as extensions of these codes.

Date	:	April 3	30.	Thursday
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Time : 13:00

Room : A-324

Next Speaker : Assist. Prof. İ.Gökhan KELEBEK

