

Re: [COST:] IC1104, report on WG1/4

**Subject:** Re: [COST:] IC1104, report on WG1/4

**From:** Joachim Rosenthal <rosenthal@math.uzh.ch>

**Date:** 05/10/14 19:47

**To:** Marcus Greferath <marcus.greferath@ucd.ie>, Tuvi Etzion <etzion@cs.technion.ac.il>

Dear Marcus,

Here the material for the minutes of the Pamela meeting.

Let me know if that goes in order.

Best wishes, Joachim.

REPORT UPDATE ON ACTIVITY WG 1

18th September 2014 Palmela, Portugal

Special session 15:20 -- 16:30

Working group 1, which is concerned with Bounds on the Size of Network Codes, has been active in the past 6 months. Several preprints were written and Alberto Ravagnani presented the joint paper with Elisa Gorla entitled: ``Subspace Codes from Ferrers Diagrams''. The paper studied the maximum dimension of some rank metric codes and the paper could confirm instances of a conjecture by Etzion and Silberstein. The paper also complements a recent preprint entitled ``Optimal Ferrers Diagram Rank-Metric Codes'' by Wachter Zeh and Etzion. The talk was followed by questions and discussions.

REPORT UPDATE ON ACTIVITY WG 4

18th September 2014 Palmela, Portugal

Special session 16:50 -- 17:30

Working group 4, which is concerned with Construction of Network Codes and Grassmannian Codes, has also been active in the past 6 months. Several preprints were written and Netanel Raviv presented the joint paper with Eli Ben-Sasson and Tuvi Etzion entitled ``Subspace Polynomials and Cyclic Subspace Codes''. The paper provides a new construction of optimal cyclic codes whose orbits have not the full length. A new representation using so called subspace polynomials was presented. The talk was followed by questions and discussions.

Overall one can say that both working groups WG 1 and WG 4 are successful and progress in their aims.

On 10/02/14 15:32, Marcus Greferath wrote:

dear joachim and tuvi,

i cannot find the report that you might have sent to me regarding work in WG1 and WG4.  
this is needed for the minutes of the recent MC meeting.

would you mind resending it to me? attached you can see a file that angeles sent to me, and which i feel is very nice.

greetings, and thanks in advance.

marcus.

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