

## Seminar Announcement

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### Specular Sets

Francesco Dolce (Université Paris-Est Marne-la-Vallée)

Monday 21st December 2015, 3 p.m.

Room 7, Via Archirafi 34, 90123 Palermo

We introduce specular sets. These are subsets of groups which form a natural generalization of free groups. These sets are an abstract generalization of the natural codings of interval exchanges and of linear involutions. We prove several results concerning the subgroups generated by return words and by maximal bifix codes in these sets.

This is a joint work with Valérie Berthé, Clelia De Felice, Vincent Delecroix, Julien Leroy, Dominique Perrin, Christophe Reutenauer and Giuseppina RIndone.

For further information:

Gabriele Fici

T 091 238 91130

[gabriele.fici@unipa.it](mailto:gabriele.fici@unipa.it)