

# GROUP THEORY

# seminar

## EMBEDDINGS BETWEEN SYMMETRIC THOMPSON'S GROUPS

**SPEAKER:** Julio Aroca (UAM-ICMAT)

**DATE:** Wednesday, 4 November 2020 - 11:30

**PLACE:** Online - <https://conecta2.csic.es/b/yag-vzv-4gd>

**ABSTRACT:** In this talk we give a brief introduction to Higman-Thompson's groups  $V_n$ , a family of subgroups of the group of homeomorphisms of the Cantor set.

Next, we will explore embeddings between these groups using a specific representation of the elements of  $V_n$  given by tables.

In particular, we will see that there are two different types of embeddings: topological and algebraic ones, studied by Higman and Birget respectively.

Next, we will introduce a larger class of subgroups of the homeomorphism group of the Cantor set, the family of symmetric Thompson's groups.

We will explain how to adapt the previous embeddings to this setting using tables. This is a joint work with Collin Bleak.

