

## Convolution and Square on Abelian Groups

*mercredi 10 septembre 2025 12:00 (1 heure)*

We will construct functions on finite abelian groups whose convolution square is proportional to their square. For that, we will interpret the abelian group as a subgroup of an abelian variety with complex multiplication, and use the modularity properties of their theta functions.

**Orateur:** BENOIST, Yves (CNRS, Univ. Paris-Saclay)

**Classification de Session:** Morning Chair: Martin Orr