

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.

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Classification de Session: Morning Chair: Martin Orr