

# Exponential sums related to the Kronig-Penney model in a constant electric field

Frédéric Klopp

`klopp@math.univ-paris13.fr`

*LAGA, Département de Mathématiques*

*Institut Galilée, Université Paris-Nord*

*99, av. Jean-Baptiste Clément*

*93430 Villetaneuse*

*France*

## **Abstract**

The talk is devoted to the study of the asymptotic features of some special exponential sums coming naturally into play when studying the Kronig-Penney model in a constant electric field.

Based work in progress joint with A. Fedotov.