

## KMP MODEL AND FOURIER'S LAW

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### **Abstract:**

The Kipnis-Marchioro-Presutti model (KMP) is an interacting model consisting of a chain of one-dimensional uncoupled harmonic oscillators which interchange energy through an stochastic process defined as follows. Each bond has a Poisson clock. Each time a clock rings, the two neighbors oscillators redistribute energy in an uniform way. Besides, the system is in contact with reservoirs at the boundaries. In this poster we present a study in progress of the KMP model and open problems to be considered.