Algebraic Microlocal Analysis.
I: Microlocalization of sheaves

Pierre Schapira

Abstract. This first talk is a survey talk with some historical comments and I refer to [3] for a more detailed overview.

I will first explain the notions of Sato’s hyperfunctions and microfunctions, at the origin of the story, and I will describe the Sato’s microlocalization functor which was first motivated by problems of Analysis (see [2]). Then I will briefly recall the main features of the microlocal theory of sheaves of [1] with emphasize on the functor $\mu\text{hom}$ which will be the main tool for the second talk.

