



MAFIA - the seminar you can't refuse

**Mysteries in analysis in 2 complex variables:
"worms", resonances, and global irregularity**

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Fakulta jaderná a fyzikálně inženýrská ČVUT
Trojanova 13, 12000 Praha

Abstract:

Analysis in several complex variables is very different from the classical one-variable theory. This has been known and deeply investigated since the beginnings of this field, by people like Poincaré, Hartogs, E. E. Levi etc. One could argue that the geometric intricacies of the theory manifest completely only in dimension 3 or higher, and expect the intermediate 2-dimensional situation to be somewhat tamer. In fact, some fundamental issues, deeply related to the analysis of certain natural Laplacians, are still poorly understood. The talk will be accessible to non-experts.