



Colloquium

November 15, 4:05 p.m. (9th Period)
(in the Atrium)

Speaker: Dario Teran Acaro

Title: The adic unit disk. An introduction to Adic Spaces.

Abstract

In this presentation, we review the theory of adic spaces developed by Huber. Adic spaces work with higher-rank valuations that satisfy some continuity criteria on certain topological rings. This allows some additional freedom that seems not very geometrical at a first sight. However, the theory of adic spaces has proven to address some shortcomings from the theory of rigid-analytic spaces that makes it look like a more general (some authors even call it better) theory to approach non-Archimedean geometry. Finally, we present the adic unit disk which is a basic non-trivial example of an adic space that helps to visualize this theory.