

On the geometry of Pappas–Rapoport Shimura varieties

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After recalling the geometry of the special fiber of the modular curve, I will talk about possible generalizations to Shimura varieties.

I will explain why the situation is more involved when ramification appears, and why one is led to use models defined by Pappas and Rapoport. I will then define an analogous of the ordinary locus in this context.

This is joint work with V. Hernandez.

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