

Canonical subgroups for π -divisible O -modules

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The classical theory of overconvergent p -adic modular forms requires the base Shimura variety to have a nonempty ordinary locus. For many Shimura varieties (for instance those of Harris–Taylor), this condition is not satisfied. In this talk, I will explain how to generalize the classical theory of canonical subgroups to π -divisible O -modules.

This is a work in progress with Shen Xu.

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