Moduli of finite flat group schemes and local models

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(IAS)

Monday, Apr 28 at 4:15 pm
111 Cummington Street, MCS B21
Tea and cookies in MCS 144 at 4:00 pm

Abstract: In Kisin's work on modularity lifting, he studies flat deformation rings using a certain moduli space of finite flat group schemes. In turn, the geometry of this space can be related to local models of Shimura varieties. We define a moduli space of finite flat group schemes with "additional structure" and relate it to a suitably generalized local model.