

**Speaker:** Tomoyoshi Ibukiyama

**Title:** Dimensions of paramodular forms with Atkin-Lehner signs.

**Abstract.** Paramodular forms are interesting objects related to supersingular abelian surfaces, generalization of Shimura-Taniyama conjecture, and new form theory by Roberts and Schmidt. We give explicit dimension formulas of plus and minus eigenspaces of paramodular forms of prime level with respect to Atkin-Lehner involution.