Too many algebraically isomorphic *p*-schemes

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Abstract

For an association scheme (X, S) and a prime number p we say that (X, S) is a p-scheme if $|s|$ is a power of p for each $s \in S$. It is well-known that there are exactly 5 isomorphic classes of groups of order p^3. In this talk we focus on a class of algebraically isomorphic p-schemes of order p^3. This is a joint work with Koji Momihara and Sho Suda.