

Conway-Miyamoto correspondences for Fischer 3-transposition groups

Hiroshi Yamauchi

Tokyo Woman's Christian University
2-6-1 Zempukuji, Suginami
Tokyo, Japan

Joint work with: Ching Hung Lam

We present a general construction of 3-transposition groups as automorphism groups of vertex operator algebras (VOAs). Our construction is compatible with inductive structures of 3-transposition subgroups and applying to the moonshine VOA we will obtain a series of sub VOAs affording the actions of the Fischer 3-transposition groups. Then we will establish the Conway-Miyamoto correspondences, non-trivial interconnections between groups and VOAs, for the Fischer 3-transposition groups. This work is a joint work with Ching Hung Lam.