

1154-17-1243

Dan D. Graybill* (dan.graybill@du.edu). *Strong Finite Generation of the Z_n Orbifolds of the Rank 2 Heisenberg System.*

The Rank 2 Heisenberg vertex operator algebra admits an action of Z_n for all n . This talk will discuss techniques used in our proof that the resulting orbifold for $n > 2$ is strongly finitely generated by only 8 elements. The proof relies on utilizing the decomposition of the Z_n orbifold as a module over the $SO(2)$ orbifold and requires insights from a careful analysis of the associated classical situation. (Received September 14, 2019)