

1154-05-2208

Vincent N. Marani*, **Lucy Chikamai W** and **Shem O. Aywa**. *Some Codes and Designs
Related to Mathieu Group M_{24} .*

Let G be a primitive group M_{24} . We determine the 1st and 2nd non trivial binary code from each representation of degree 24, 276, 759, 1288, 1771 and 2024 respectively and determine its properties. We determine designs defined by the support of codewords of minimum weight and establish their primitivity.

(Received September 17, 2019)