

1125-81-3078

Ian Swenson Marshall* (iswenmar@gmail.com). *On Brauer-Picard groups of fusion p -categories.*

A fusion p -category is a fusion category whose Frobenius-Perron is a power of prime number p . For odd primes p , all such categories are group theoretical. For $p=2$, such categories are equivalent to a $\mathbb{Z}/2\mathbb{Z}$ -extension of a group theoretical category. We examine the computation of outer autoequivalences as a method for computing Brauer-Picard groups of these categories. This talk is based on joint work with Dmitri Nikshych. <https://arxiv.org/abs/1603.04318> (Received September 21, 2016)