

Real 2-representations in mathematics and physics

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Abstract: This poster will introduce the theory of Real 2-representations of a finite group. The main goal is to explain how this theory is related to various unoriented phenomena in physics, such as unoriented equivariant topological field theory and discrete torsion in orientifold string/M-theory. A conjectural application to Real equivariant homotopy theory will also be explained.