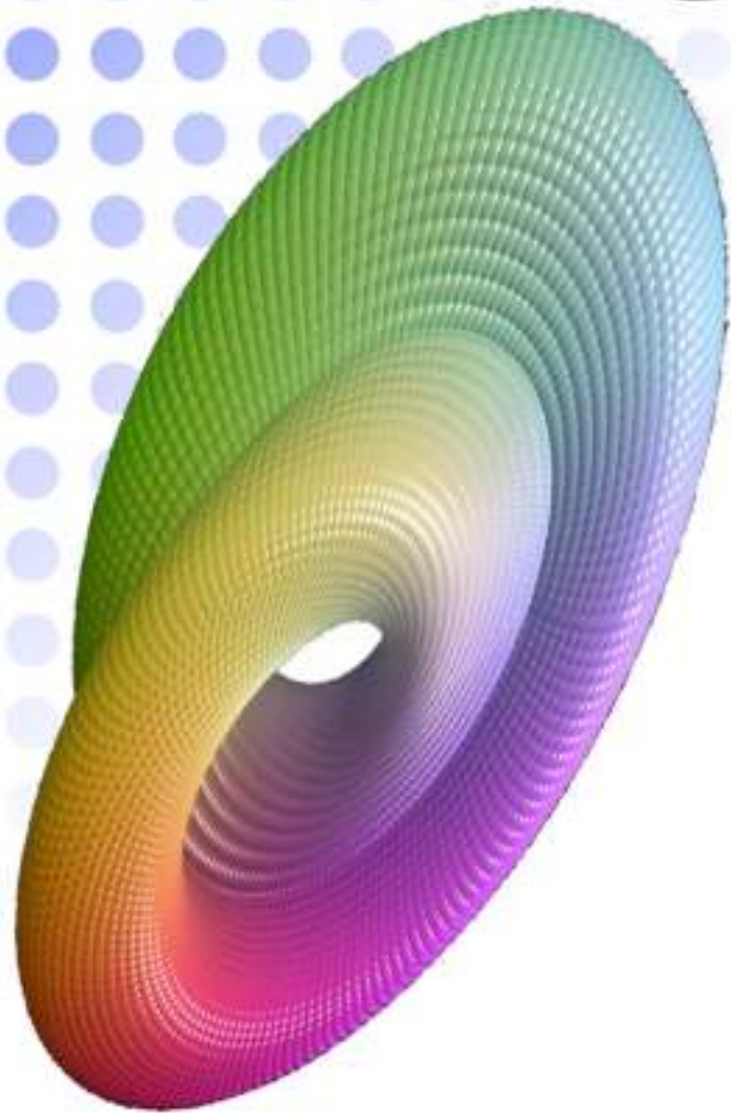# Michigan Math Club

Meeting [virtually](#) for Fall 2020
Thursdays at 4pm EDT

All but finitely many finite simple groups

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17 September 2020

The classification of finite simple groups is a landmark of 20th century mathematics. (You can think of it as a list of every kind of symmetry that a finite object can have.) The classification consists of 18 infinite families and 26 strange exceptions. I will give a sketch of how the 18 infinite families arise from some very simple diagrams called Dynkin diagrams. I will then BRIEFLY mention the 26 strange exceptions, three of which are called Conway groups and one of which is called the (Fischer-Griess) Monster group.