Michigan Math Club

Meeting [virtually] for Winter 2021
Thursdays at 4pm EST

Colorful graphs and Fermat's Last Theorem mod p

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Before his tragic death at the age of 26, Frank Ramsey proved a beautiful and influential theorem about edge-colored graphs, popularly understood to guarantee that any apparently disordered system must contain a large ordered subsystem. We will state and prove Ramsey's Theorem, explore the relationship between its finite and infinite versions, and conclude with a surprising connection to Fermat's Last Theorem.