

Michigan Math Club



Thursday at 4pm in EH1360

Free raffle prizes afterwards!

Voting, Fairness, and Impossibility

Ian Smythe • 20 January 2022

How do we select a winning candidate in an election with more than two choices?
And which methods for doing this are "fair"?



In this talk, we'll describe different voting methods and fairness criteria which each may, or may not, satisfy. Then, we'll discuss the most famous result in voting theory, Arrow's Impossibility Theorem, what it says, what it does *not* say, and how to prove it.