Michigan Math Club

Thursday at 4pm in the Commons
Free Pizza and Pop

How Random is Random?

Shawn Henry

Abstract for 18 November 2010

If you flip a coin n times, how many heads do you expect to see in a row? In this talk we will develop a notion of randomness that will allow us to answer this and other questions about 'random' binary strings. As an interesting application we will give a statistical argument that there are infinitely many prime numbers.