Undergraduate Math Club
Winter 2008
2nd floor Nesbitt Common Room
Thursday, January 24, 4:10-5:00pm
(free pizza and pop, as always)

Can you tell me the way to sum to A?

Prof. Loren Spice

Abstract

It is a familiar result from real analysis that an absolutely convergent series of real numbers may be rearranged without changing its sum, whereas conditionally convergent series may be rearranged to give any sum that we wish. What happens if we work with complex numbers rather than real numbers? We will discuss a theorem of Lévy and Steinitz that provides a neat answer to a generalization of this question.