

1147-11-368

Wen-Ching Winnie Li* (wli@math.psu.edu), Department of Mathematics, Pennsylvania State University, University Park, PA 16802. *The Riemann Hypothesis, Ramanujan conjecture and their applications.*

The Riemann Hypothesis and Ramanujan conjecture are two celebrated open problems in number theory which have important and far-reaching consequences. They also appear in different settings. In this talk we discuss their relations and show some applications derived from the occasions where the conjectures hold.

This is a survey talk highlighting the interplay between number theory and combinatorics. (Received January 21, 2019)