

1154-11-468

D. A. Goldston and **C. L. Turnage-Butterbaugh*** (cturnageb@carleton.edu). *Small gaps between zeros of the Riemann zeta-function.*

I will discuss recent joint work with Dan Goldston concerning the vertical distribution of zeros of the Riemann zeta-function, denoted $\zeta(s)$. In particular, we improve on previous results by proving, under the assumption of the Riemann Hypothesis, that there are infinitely many zeros of $\zeta(s)$ whose differences are smaller than 0.50345 times the average spacing. (Received September 17, 2019)