

Prime spirals and rational approximations

Grant Sanderson, 3Blue1Brown

Using a simple question posed by a student on the Mathematics Stack Exchange as a launching point, namely what happens when you plot (p, p) in polar coordinates for prime numbers p , we explore several patterns of prime numbers in two-dimensions. Taken at face value, the original question is not as deep as it might seem, but we'll discuss various interesting lines of questioning it can lead to. This talk is centered on the value of these sorts of explorations more for pedagogy and outreach than for research.