

1119-60-170

Christopher D Sinclair* (csinclai@uoregon.edu), Department of Mathematics, University of Oregon, Eugene, OR 97403. *Zeros of random p -adic polynomials*. Preliminary report.

I'll talk about the probability that a polynomial with p -adic integer coefficients has all of its zeros in Q_p . The recurrence defining this probability has been known for several years, but I will give an easy proof of this recurrence and talk about how this calculation differs from the situation for polynomials with real coefficients. (Received February 15, 2016)