MATILDE LALIN, Université de Montréal

Remarks on $\frac{\zeta(2j+1)}{\pi^{2j+1}}$ and variants of the Ramanujan polynomials

We prove that some sets of polynomials have all of their zeros on the unit circle, a fact that was originally observed by numerical experiments. The polynomials are interesting because they have coefficients which involve Bernoulli numbers, Euler numbers, and the odd values of the Riemann zeta function and are closely related to the Ramanujan polynomials that were recently investigateb by Murty, Smyth and Wang.

This is joint work with Mathew Rogers.