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**J. Brian Conrey\*** ([conrey@aimath.org](mailto:conrey@aimath.org)), 360 Portage Ave, Palo Alto, CA 94306. *Zeros of period polynomials.*

We show that apart from 5 “trivial” zeros, all of the zeros of the period polynomial associated with a newform of level one are on the unit circle. This work is joint with David Farmer and Ozlem Imamoglu (Received September 20, 2012)