962-T1-382 **Chris K Caldwell*** (`caldwell@utm.edu`), Chris K. Caldwell, Department of Mathematics, University of Tennessee, Martin, Martin, TN 38238, and **G. L Honaker**. *Palindromic Prime Pyramids.*

Palindromic prime pyramids are sequences of primes where each term is a palindrome with the previous term as its central digits. For example, beginning with the primes two and five and adding two digits each term, the longest such sequences are as follows:

2	2			
929	929	5	5	5
39293	39293	151	353	757
7392937	3392933	31513	33533	37573
373929373	733929337	3315133	1335331	9375739

We use a simple heuristic based on the prime number theorem to estimate how long these sequences should be as a function of the step size and starting value. We then generalize to arbitrary bases and present the results of several computer searches. (Received September 13, 2000)

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