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Robert P Boyer* (rboyer@math.drexel.edu), Philadelphia, PA 19104, and **William M. Y. Goh**, Hefei, 230026, Peoples Rep of China. *Asymptotics and Zeros for Polynomials from Combinatorics.*

Natural families of polynomials appear in many branches of mathematics such as number theory, combinatorics, knot theory, and analysis. In general, their zeros are complex; furthermore, their zeros may have limiting shapes in the plane as the degrees go to infinity.

In this talk, we focus on the experimentation for Appell polynomials and different polynomial families associated with integer partitions that has been successful. We will also indicate some pitfalls in computation. (Received August 25, 2008)