1023-Z1-1091

Charles J Kicey*, Math and Computer Science Dept., Valdosta State University, Valdosta, GA 31698, Jun Ji, Department of Mathematics and Statistics, Kennesaw State University, 1000 Chastain Road, #1024, Kennesaw, GA 30144, and Arsalan Wares, Math and Computer Science Dept., Valdosta State University, Valdosta, GA 31698. Sharing Triangles, Geometric Triangles, and Pascal's Triangle. Preliminary report.

Although its behavior is not surprising and easily verified using higher mathematical results, we nonetheless consider a very simple discrete dynamical system. Instead of being satisfied with the "hit it with the big theorem" solution, we find an elementary proof. An unanticipated byproduct of our proof provides an interesting mathematical curiosity. (Received September 25, 2006)