

1046-O1-1261 **Kenneth G Monks*** (monks@scranton.edu), Department of Mathematics, University of Scranton, Scranton, PA 18510, and **Nathan C Carter** (ncarter@bentley.edu), 175 Forest St, Waltham, MA 02452. *Toy Proofs*. Preliminary report.

What is the difference between a formal proof and a computer game? We discuss the use of formal games as a pedagogical tool to introduce students to the concept of proof. We also demonstrate software designed for this purpose by the authors under the Lurch Project (NSF Grant #0736644). (Received September 15, 2008)