

Computational Poetry Workshop

JC, AJ, RS, TL, JM, CG, SC

Abstract

We model the mathematical process whereby new mathematical theories are produced, involving shared and individual creativity. Here we provide rational reconstructions of some developments from mathematical history; our longer-term goal is to support machine and human mathematical creativity.

Introduction

To be written by Alan.

Background

Blending in Mathematics

Alison?

Image Schemas

Marco

Blending and the infinite

Marco, Ewen, Alan, Felix

Naturals and Integers

Potential and actual infinity

Integers and Ideals

Danny, Felix, Alan

Related Example

— especially Galois.

Galois Theory

Danny, Joe, Felix, Ewen

Issues raised

Alan, Ewen, Felix

Evaluation and Outlook

Joe et al.

Conclusions

(and references) – everyone!