

Spiral Pi Plotter (Concept Repository)

Status: Idea in development

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Overview

This repository will house an evolving exploration of a mathematical plotting system using the digits of π to generate a spiral path across a quadrant-based grid.

The idea is to: - Use segments or differences of π 's digits - Translate those into directional or positional changes - Apply mathematical transformations (e.g., square roots, parity) to guide movement - Generate a consistent, expanding spiral pattern on a 2D plane

This concept was originally conceived by Randall Simmons and is currently being reconstructed and refined through further experimentation.

Goals

- Define the plotting rules
- Experiment with different ways to group digits (1, 4, 15, 92, 653...)
- Establish a consistent growth pattern or transformation rule
- Create visual plots or simulations
- Turn the concept into a puzzle or exploration tool

Repository Structure (To Come)

- `/notes/` - Working notes and logic drafts
- `/visuals/` - Hand-drawn or rendered spiral plots
- `/code/` - Any scripting used to generate the spiral
- `/puzzles/` - Future interactive or printable puzzles based on the spiral

Current Status

Work in progress. If you're viewing this early, it's just the seed of a larger idea. Randall is currently working on refining the core logic of how digits affect grid movement and spiral shape.

Stay tuned!