Focus Project:
On Pseudo-Random Number Generators

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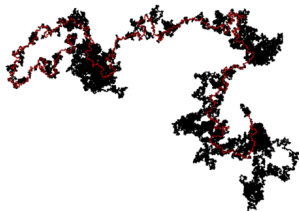
Introduction

Goals:

- Explore how psuedo-random number generators (PRNGs) work.
- Test the limitations of various PRNGs.
- Apply PRNGs to the modeling of a star cluster.

Methods:

- Literature review on PRNGs.
- Implement PRNGs and test suites in Python.
- Simulate a star cluster using PRNGs.
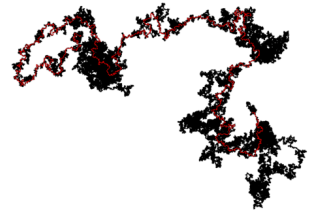

Random walk in 2D (Wikimedia Commons, CC BY-SA 4.0)

Outlook

Done:

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Next Steps:

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Random walk in 2D (Wikimedia Commons, CC BY-SA 4.0)