

# Exploring the Laws of Nature in Flatland

Robert Short

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## **Abstract**

Flatland is a book written by Edwin A. Abbott describing a world of two dimensional figures. While Flatland is more famous for how he proposes we come to think about objects in higher dimensions, there is interesting mathematical content in the laws of nature that he selects to govern Flatland. Here, we explore this content using some simple geometry and tools from Calculus.

This talk is directed at a general audience and only requires a background in Calculus 1.