

ZMATH 2015f.00744

Berger, Ruth I.

Green jello world and Escher's world.

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Summary: Introducing models of hyperbolic geometry informally in the setting of different worlds lets students naturally come up with the idea that lines (shortest paths) can look like parts of Euclidean circles. By learning to think like inhabitants of these worlds, students are able to abandon their totally Euclidean view of lines and take ownership of hyperbolic geometry.

Classification: G95

Keywords: hyperbolic geometry; Euclidean circles

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