3 Outer Billiard

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Abstract

In the following report, we analyse the trajectory of a billiard ball if the ball tangents a corner of an equilateral triangle and moves the same distance forward, it needed to the corner. The question is: Can the ball escape? A Mathematica model simulates this model with the result, that the ball cant escape from the triangle. This is a simplified model about our solar system and the possibility of an escaping planet based on a billiard table.

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1 Introduction

¿¿TODO¡¡

1.1 An intermediate heading

1.1.1 A subheading

2 Results

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3 Discussion

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References

[1] Wolfram Language & System, `http://reference.wolfram.com/language/`, 2017.09.20.