

Comparing two methods of approximating the value of π in a computational context

To what extent can a method of approximation of the value π be computationally more efficient than another?

Word count:

Contents

1	Introduction	1
2	Computational approach	2

1 Introduction

The value of π has been researched for many years, although under different names, and the amount of different approaches to reach the value is large.

The value has been found through many processes, be it geometrically, algebraically or through other means.

This paper seeks to examine the extent at which two historical methods of approximation of the value π , namely the approaches suggested by the aforementioned mathematicians Madhava and Viète, differ in terms of computational efficiency and speed.

2 Computational approach