

Evaluating results on relevance

1. Find the most relevant journal article from the first ten search results of your search in the 'Searching' module and write down its metadata. If you cannot find a relevant article within the first ten results you can look a bit further in the results to find an article of relevance.

Name first author	Alkan, Emre
Title (article)	Discretization of prime counting functions, convexity and the Riemann hypothesis.
Journal title	Czechoslovak Mathematical Journal
Year of publication	2023

2. Explain why this article is relevant for your research on the subject. Use the CRAAP-test to explain the article's relevance.

Using the CRAAP-test we can see that the article is current and up-to-date since it was published in 2023 and also has been reviewed.

The article focuses on prime counting functions, Riemann's hypothesis and the distribution of primes, topics which are closely related to the search of big prime numbers.

The author, Emre Alkan, is from the Department of Mathematics, Koç University Sarıyer, Istanbul, Turkey. Furthermore, they have 67 publications and they have been cited 402 time in 161 publications by 140 unique authors which gives them credibility.

The article is accurate since the information used is either cited or proved in the article, thus the information there is verifiable.

The article informs about the curious asymptotic inequality for the classical prime counting function that they have arrived at and that purpose is conveyed clearly. As everything is based on calculations and theorems the message is as objective as possible.