

The Sleeping Beauty

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Abstract

The goal of this talk is to show how the prince of Augmented Intelligence Theorem Proving (AgITP) is awakening the sleeping beauty of mathematics. [1], [2] and [3].

We will explore the transformative potential of Augmented Intelligence Theorem Proving (AgITP) in the realm of mathematics. The concept of AgITP can be seen as the prince that is awakening the sleeping beauty of mathematics by unlocking new and innovative ways to approach mathematical problems and enhance human understanding.

We will delve into the following topics:

1. Introduction to Augmented Intelligence Theorem Proving (AgITP): A brief overview of AgITP, its origins, and its current state in the field of mathematics and computer science.
2. The impact of AgITP on mathematical discovery: We will discuss how AgITP is fostering collaboration between humans and machines to generate novel insights, solve complex problems, and potentially revolutionize the way mathematics is conducted.
3. The role of AgITP in improving mathematical education: By leveraging the capabilities of AgITP, we will explore how educators can enhance the learning experience for students and promote deeper understanding of mathematical concepts.
4. Real-world applications of AgITP in mathematics: We will present examples of successful applications of AgITP in various branches of mathematics, demonstrating its potential to contribute to groundbreaking discoveries, including a proof with one million pages and the solution of \aleph_0 problems, open since the 70s.
5. Challenges and future directions in AgITP: Lastly, we will address the current challenges faced by AgITP, as well as the opportunities and potential developments in the field that could further enhance its impact on mathematics.

Through this talk, we aim to demonstrate the transformative power of AgITP as it awakens the dormant potential of mathematics, paving the way for a new era of mathematical discovery and understanding.

References

- [1] www.proverx.com
- [2] <https://sgv.pythonanywhere.com>
- [3] <http://fst.educa.pt>