

AI and LaTeX Experience in Writing

Hello:

When writing your thesis, are you still primarily using LaTeX, or have you started combining it with AI tools? As a university librarian, learning AI tools has been a valuable experience. AI can help improve information retrieval, organize digital resources, and provide better support for library users. It can also assist with routine tasks, saving time and allowing librarians to focus more on information literacy teaching and personalized services. However, responsible use of AI is crucial, including checking the accuracy of its results and protecting user privacy. I believe AI will become an important partner in modern libraries, helping librarians provide more efficient, innovative, and user-centered services.

AI beginner's first experience

My first experience as an AI beginner includes Overleaf coding, learning how to use Grammarly to polish English content, and using “6G Development Exploration” as an example.

Sixth-generation mobile communication (6G) is considered an important direction for the development of future smart networks, aiming to provide higher transmission rates, lower latency, wider connectivity, and higher network reliability than 5G.

With the rapid development of technologies such as artificial intelligence, sensory integration (ISAC), digital twins, and immersive applications, 6G will become a crucial foundation for smart cities, autonomous transportation, smart healthcare, and industrial automation.

This research will explore the core technologies, development trends, and future challenges of 6G, and analyze its impact on the next-generation communication environment and digital transformation.

This example demonstrates how AI can assist in drafting a paper; however, researchers should still revise, cite, and verify the content according to research objectives, literature, and academic standards to ensure the quality and academic credibility of the paper.

Mathematical Formula Example

Finally, the commonly used limit mathematical formula is expressed in LaTeX as:

$$\lim_{x \rightarrow \infty} \frac{1}{x} = 0$$