

AI Polishing Guide

Current AI language tools provide powerful assistance for authors in optimizing their academic writing. We recommend using AI to further refine and enhance the language expression of your paper during the writing and revision processes. Below is a practical guide for polishing your paper with AI tools.

- 1. Recommended Tools:** Use mainstream AI tools such as DeepSeek Full Version and ChatGPT 4.
- 2. Submit Text in Sections:** For better results, submit the text paragraph by paragraph rather than the entire paper at once. Below is a suggested polishing prompt for reference:

This is a physics research paper. Please review the English text according to the following requirements:

Scope of Review: Analyze only the English text (ignore all LaTeX commands and mathematical formulas).

Sentence-by-Sentence Check: Process text in natural sentence units (separated by periods, question marks, or exclamation marks).

Error Types: Grammar, spelling, logical errors, and formatting inconsistencies.

Output Format: If no errors are found, simply state "No issues detected." If errors are found, provide feedback in the following format:

Detected 2 issues:

The result are shown in Figure 1.

The results are shown in Fig. 1.

(Subject-verb disagreement: "result" should be plural)

This phenomenon need further investigation.

This phenomenon needs further investigation.

(Spelling error + singular verb required)

3. Conduct Multiple Rounds of Polishing

AI is a probabilistic tool and may miss or incorrectly handle certain issues. Multiple rounds of polishing can significantly reduce such errors. Note that you do not need to accept all AI-suggested revisions, as they may sometimes alter the original meaning of the text.

4. AI-Assisted Comprehension and Translation Verification

After polishing, you can use AI to extract the core content of the paper and verify whether the revisions align with the intended meaning. Additionally, AI translation tools can help check for unclear or ambiguous expressions, allowing further corrections.

5. Collaborative Proofreading

After AI polishing, have other co-authors proofread the paper to identify and correct any remaining issues.

AI 润色指南

当前 AI 语言工具为作者优化论文写作提供了强有力的辅助。我们建议您在论文写作和修改过程中，使用 AI 对文章语言表达进行再次润色提升。以下是结合 AI 工具进行论文润色的实用指南。

1. 推荐使用主流 AI 工具，比如 DeepSeek 满血版和 ChatGPT 4。
2. 建议**逐段提交润色要求**，全文提交的效果较差。以下是润色指令，仅供参考。

这是一篇物理学科研论文，请按以下要求检查英文文本：

1. ****检查范围****：仅分析英文文本内容（忽略所有 LaTeX 命令及数学公式）
2. ****逐句检测****：以自然分句为单位（以句号/问号/感叹号分隔）
3. ****错误类型****：语法、拼写、逻辑错误、格式体例不规范
4. ****输出要求****：若无错误直接提示「未发现问题」，发现错误按以下示例格式反馈：
检测到 2 处问题：

1. > *The result are shown in Figure 1.*
 The results are shown in Figure 1.
 （主谓不一致：result 应为复数）
2. > *This fenomenon need further investigation.*
 This phenomenon needs further investigation.
 （拼写错误+动词单数）

3. 建议进行多轮润色。

AI 是一个概率工具，它在发现问题和处理问题的时候会有遗漏和错误，多轮润色能够极大降低这些问题。请注意不必全部采纳 AI 提供的修改建议，因为有时 AI 的修改会改变文章本意。

4. AI 辅助阅读理解和翻译校验

润色后，可以使用 AI 提取文章的核心内容，验证修改是否符合论文要表达的原意。可以使用 AI 的翻译功能，检查是否存在表达不清楚和有歧义的地方，再加以改正。

5. 多人通读校验

润色后，请其他作者通读校验，进一步发现和修改可能存在的问题。