Revolutionizing Math Education: Harnessing ChatGPT for Student Success

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Abstract: This study explores the paradigm shift in math education through the integration of ChatGPT, an advanced AI language model. By harnessing ChatGPT’s capabilities, the research delves into personalized learning, interactive problem-solving, and dynamic engagement, seeking to enhance student success in mathematics. Simulated results demonstrate positive shifts in student attitudes, improved self-efficacy, and enhanced learning outcomes, supported by qualitative insights highlighting the tool’s role in fostering collaborative learning environments. As education evolves, this investigation sheds light on the potential of AI to revolutionize math education, cultivating empowered learners prepared for the challenges of an ever-changing world.

Keywords: Electromagnetic Induction, Faraday's Laws, Generators and Transformers

REFERENCES


