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now •

🚀 Every time a new LLM (Large Language Model) claims to be the best (on the planet!!), I put it to the test—specifically for geometric dimension reduction, also known as Midcurve generation.

I have a go-to prompt for generating a simple (for humans) geometric figure called Midcurve. Why? Because most LLM evaluations focus on text, images, and numbers—but not geometric shapes.

The real question is: Does an LLM truly understand shapes and operations on them? 🤔

Here's the output from Gemini Pro 2.5 (Experimental), which I tested today. As shown in the pic below 'profile' is the input shape, and after dimension reduction, we need output as 'actual_midcurve' shown and the LLM is giving the output as 'predicted_midcurve'. The two outputs are supposed to be close.

While Gemini Pro's output is not pixel-perfect, it's the closest and best I've seen so far! 👏 Kudos to Google.

Curious to learn more? Check out my blogs on Medium (links in comments):
📌 Does ChatGPT understand Geometry?
📌 Geometry, Graphs, and GPT

#AI #MachineLearning #Geometry #LLM #ArtificialIntelligence #DataScience #Tech #gde #mvpbuzz #gemini #geminipro

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