

Centaur Intelligence: A GPT-4 and Mathematica Collaborative Visualization of the Genetic Code

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In an innovative interplay between machine and human intellect, this video showcases a striking 3D graphical representation of the genetic code. With GPT-4 from OpenAI acting as the digital interlocutor, the intricacies of the genetic code are laid out in a unique 3D lattice visualized through Wolfram Mathematica. Essential properties of amino acids, specifically their hydropathy, are vividly color-coded, offering viewers an intuitive understanding of this foundational biological system. The melding of AI and human insight in this endeavor epitomizes the power and potential of Centaur Intelligence. This collaborative approach not only offers an educational perspective but also presents a paradigm of how technology can be harnessed for advanced scientific communication. The G A C U ordering all three codon axes is the closest topological packing of the amino acids determined by Graph Theory to maximize self-closed loops. The color code is for amino acid residue hydropathy from blue (hydrophobic) to red (hydrophilic). E. coli bacteria and man have the same code. You are looking at Intelligent Design.

Video: <https://www.youtube.com/watch?v=eHZxMAZTFcY>