Title: MeshAnything: Artist-Created Mesh Generation with Autoregressive Transformers
Authors: buaacyw/meshanything
Date: 14 Jun 2024
Description: Recently, 3D assets created via reconstruction and generation have matched the quality of manually crafted assets, highlighting their potential for replacement.
Stats: 417, 5.09 stars / hour
Categories: Decoder
Links: Paper, Code

Title: Accessing GPT-4 level Mathematical Olympiad Solutions via Monte Carlo Tree Self-refine with LLaMa-3 8B
Authors: trotsky1997/mathblackbox
Date: 11 Jun 2024
Description: This paper introduces the MCT Self-Refine algorithm, an innovative integration of Large Language Models (LLMs) with Monte Carlo Tree Search (MCTS), designed to enhance performance in complex mathematical reasoning tasks.
Stats: 279, 2.35 stars / hour
Categories: Decision Making, GSM8K +2
Links: Paper, Code

Title: TextGrad: Automatic 'Differentiation' via Text
Authors: zou-group/textgrad
Date: 11 Jun 2024
Description: Without modifying the framework, TextGrad improves the zero-shot accuracy of GPT-4o in Google-Proof Question Answering, yields significant relative performance gain in optimizing LeetCode-Hard coding problem solutions, improves prompts for reasoning, designs new druglike small molecules with desirable in silico binding, and designs radiation oncology treatment plans with high specificity.
Stats: 485, 2.04 stars / hour
Categories: Question Answering, Specificity
Links: Paper, Code

Title: Scalable MatMul-free Language Modeling
Authors: ridgerchu/matmulfreellm
Date: 4 Jun 2024
Description: Our experiments show that our proposed MatMul-free models achieve performance on-par with state-of-the-art Transformers that require far more memory during inference at a scale up to at least 2.7B parameters.
Stats: 2,140, 1.98 stars / hour

Categories: Language Modelling
Links: Paper, Code

Title: VideoLLaMA 2: Advancing Spatial-Temporal Modeling and Audio Understanding in Video-LLMs
Authors: damo-nlp-sg/videollama2
Date: 11 Jun 2024
Description: In this paper, we present the VideoLLaMA 2, a set of Video Large Language Models (Video-LLMs) designed to enhance spatial-temporal modeling and audio understanding in video and audio-oriented tasks.
Stats: 318, 1.50 stars / hour
Categories: Multiple-choice, Question Answering +3
Links: Paper, Code