

Peer Review

Review of: "HoloGest: Decoupled Diffusion and Motion Priors for Generating Holisticly Expressive Co-speech Gestures"

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In this paper, the authors propose an innovative HoloGest framework for generating high-quality accompanied speech gestures by decoupling diffusion and motion priors. However, it fails to meet the Qeios publication criteria and needs to be revised due to the following defects:

1. the experimental design is too limited. The dataset is limited in size, only a single English speaker sequence is validated, lacks diversity, and the experiment does not adequately cover multilingual or multi-scenario contexts.
2. quantitative results show superiority over comparative methods, but no statistical significance test is provided, ablation study and no in-depth analysis of the contribution of each module, lack of theoretical support.
3. Literature is insufficient and needs to be supplemented, the following papers are recommended

Xu, C., & Zou, Y. (2024). Contour wavelet diffusion-a fast and high-quality facial expression generation model. *Connection Science*, 36(1), 2316023. <https://doi.org/10.1080/09540091.2024.2316023>

Declarations

Potential competing interests: No potential competing interests to declare.