

SORS: AI, Supercomputers, Art: Tying it all together

Abstract

Generative Models are powerful tools for artists and designers. With the emergence of diffusion models, prompting has become the de facto standard of interacting with such tools. However, when it comes to discovering new artistic realms, human language limits a users' capability to explore the unknown parts of these models. Research on novel ways of exploring and interacting with generative models present interesting opportunities to enhance the interactivity, especially for non-technical users. Providing users with an interactive and comprehensive map of a generative model's latent space promises an intuitive approach to exploring both, uncharted areas of a model, and unknown artistic expression.



Short Bio

Moritz is a professor of Computational Design at Nuremberg University of Applied Sciences in Nuremberg, Germany. His areas of research include generative design, AI-assisted design, and data-driven computer graphics. Currently, he is implementing a new master's degree at Nuremberg Tech focusing on emerging technologies and their effects on design. Moritz is also the co-founder of the educational website Entagma, focusing on generative art and design in SideFX Houdini. In this role, he creates video tutorials on advanced procedural techniques from a diverse range of fields and their use in various design disciplines. Moritz has been a lecturer and presenter at various workshops and conferences, such as OFFF, FMX, Everything Procedural, and Muovo, where he covered topics such as procedural design, biology-inspired design techniques, generative AI, and VFX. Moritz currently lives in Munich, Germany.

Speakers

Speaker: Moritz Schwind. Professor of Computational Design at Nuremberg University of Applied Sciences in Nuremberg, Germany.

Host: Guillermo Marín. Scientific Visualisation Group, CASE Department, BSC. Barcelona Supercomputing Center - Centro Nacional de Supercomputación

Source URL (retrieved on 27 nov 2024 - 12:29): <https://www.bsc.es/ca/research-and-development/research-seminars/sors-ai-supercomputers-art-tying-it-all-together>