

## RG inspired perspectives on diffusion models

*Thursday 30 May 2024 14:30 (45 minutes)*

It has been observed that diffusion models have similarities with RG (on a lattice). This intuition suggests a new design space for the diffusion process, unifying the usual diffusion models with e.g. wavelet conditional diffusion, and may shed light on how diffusion models work. We explore this perspective (work in progress with Miranda Cheng & Max Welling).

**Primary authors:** GERDES, Mathis (University of Amsterdam); WELLING, Max; CHENG, Miranda

**Presenter:** GERDES, Mathis (University of Amsterdam)

**Session Classification:** Talks