Mean Flows For One Step Generative Modeling

Keyboard shortcuts b2b91cb308 Mean Flows for One step Generative Modeling2 CMU \u0026 MIT 2025 - Mean Flows for One step Generative Modeling2 CMU \u0026 MIT 2025 23 minutes - Mean Flows for One,-**step Generative**, Modeling2 CMU \u0026 MIT 2025 b2b91cb308 One-step Latent-free Image Generation with Pixel Mean Flows (Jan 2026) - One-step Latent-free Image Generation with Pixel Mean Flows (Jan 2026) 17 minutes - Title: **One**,-**step**, Latent-free Image Generation with Pixel **Mean Flows**, (Jan 2026) Link: http://arxiv.org/abs/2601.22158v1 Date: ... b2b91cb308 The Rise of Single-Step Generative Models [MeanFlow] - The Rise of Single-Step Generative Models [MeanFlow] 9 minutes, 50 seconds - ... and Kaiming He **Mean Flows for One-step Generative Modeling**,, arXiv 2025 https://arxiv.org/pdf/2505.13447 Video made with ... b2b91cb308 Flow Matching for Generative Modeling (Paper Explained) - Flow Matching for Generative Modeling (Paper Explained) 56 minutes - Flow, matching is a more general method than diffusion and serves as the basis for **models**, like Stable Diffusion 3. Paper: ... b2b91cb308 Decoupling Prediction and Loss b2b91cb308 Improving and Generalizing Flow-Based Generative Models with Minibatch Optimal Transport | Alex Tong - Improving and Generalizing Flow-Based Generative Models with Minibatch Optimal Transport | Alex Tong 1 hour, 16 minutes - Valence Labs is a research engine within Recursion committed to advancing the frontier of AI in drug discovery. Learn more about ... b2b91cb308 Jacobian determinant b2b91cb308 NICE architecture: triangular Jacobian \u0026 coupling layers b2b91cb308 Flow-Matching vs Diffusion Models explained side by side - Flow-Matching vs Diffusion Models explained side by side 16 minutes - We explain diffusion **models**, and **flow**,-matching **models**, side by side to highlight the key differences between them. **Flow**,-Matching ... b2b91cb308 Score and flow matching b2b91cb308 Search filters b2b91cb308 Difference between Flow-matching and Diffusion b2b91cb308 End of Latent Spaces? b2b91cb308 Aggressive Patchification Scaling b2b91cb308 Questioning Legacy Optimizations b2b91cb308 Playback b2b91cb308 Change of variables formula b2b91cb308 Bijective transformation b2b91cb308 Inference for Diffusion Models b2b91cb308 Extensions b2b91cb308 Conditional Flow Matching b2b91cb308 Improving Mean Flow Training b2b91cb308 Lecture 6: PDE Framework for Generative Modeling - Lecture 6: PDE Framework for Generative Modeling 1 hour, 3 minutes - Normalizing **flows**,, optimal transport, **flow**, matching, and diffusion **models**, from classical PDEs. b2b91cb308 Using Muon Optimizer b2b91cb308 Results b2b91cb308 MeanFlow b2b91cb308 Generative model likelihood b2b91cb308 The Manifold Hypothesis b2b91cb308 Mean Flows for One-step Generative Modeling - Mean Flows for One-step Generative Modeling 7 minutes, 20 seconds - Mean flow, is a **one**,-**step**, generation framework that is used to train a neural network to **model average**, velocity field. This video ... b2b91cb308 Scaling matrix b2b91cb308 Generative Modeling - Normalizing Flows - Generative Modeling - Normalizing Flows 13 minutes, 53 seconds - In the second part of this introductory lecture I will be presenting Normalizing **Flows**,. b2b91cb308 Introduction to Pixel Mean Flow b2b91cb308 Properties of flow depend on the choice of the probability path b2b91cb308 [GCV @ CVPR25] Kaiming He - Towards End-to-End Generative Modeling - [GCV @ CVPR25] Kaiming He - Towards End-to-End Generative Modeling 42 minutes - Workshop on **Generative Models**, for Computer Vision @ CVPR 2025 https://generative-vision.github.io/workshop-CVPR-25. b2b91cb308 Introduction b2b91cb308 Main takeaways b2b91cb308 Intro b2b91cb308 Intro b2b91cb308 Flow Matching b2b91cb308 Beating StyleGAN-XL b2b91cb308 Why do diffusion models beat CNFs? b2b91cb308 Subtitles and closed captions b2b91cb308 2505.13447 - Mean Flows for One-step Generative Modeling - 2505.13447 - Mean Flows for One-step Generative Modeling 17 minutes - title: **Mean Flows for One-step Generative Modeling**, author: Zhengyang Geng, Mingyang Deng, Xingjian Bai, J. Zico Kolter, ... b2b91cb308 Side-by-Side Comparison b2b91cb308 Normalizing Flows, the training process b2b91cb308 Bijective neural networks, reverse b2b91cb308 The VAE Decoder Bottleneck b2b91cb308 Normalizing Flow - Loss Function b2b91cb308 Triangular Time Sampling b2b91cb308 What are Normalizing Flows? - What are Normalizing Flows? 12 minutes, 31 seconds - This short tutorial covers the basics of normalizing **flows**,, a technique used in machine learning to build up complex probability ... b2b91cb308 CMU 10799 S26: Diffusion \u0026 Flow Matching - Lecture 1 - Basics of Probabilistic \u0026 Generative Modeling - CMU 10799 S26: Diffusion \u0026 Flow Matching - Lecture 1 - Basics of Probabilistic \u0026 Generative Modeling 1 hour, 3 minutes - Lecture recording of Carnegie Mellon University's Spring 2026 Class: 10799 Diffusion \u0026 **Flow**, Matching Lecture **1**,: Basics of ... b2b91cb308 Iterative sampling b2b91cb308 Background on diffusion + flow models b2b91cb308 General b2b91cb308 State of the art results from GLOW b2b91cb308 Spherical Videos b2b91cb308 Mean Flows for One-step Generative Modeling (Paper Walkthrough) - Mean Flows for One-step Generative Modeling (Paper Walkthrough) 13 minutes, 50 seconds - Paper: https://arxiv.org/abs/2505.13447 RibbitRibbit: ... b2b91cb308 Advantage of Perceptual Loss b2b91cb308 Conditional flow matching b2b91cb308 How do you make a sandcastle? b2b91cb308 Inference with Flow-Matching b2b91cb308 Intro b2b91cb308 Calculating the determinant of the Jacobian b2b91cb308 Main idea: how can we train a CNF like a diffusion model? b2b91cb308 Flow matching b2b91cb308 The intuition b2b91cb308 Training Flow-Matching b2b91cb308 Limitations of Current Models b2b91cb308 For one step b2b91cb308 An example b2b91cb308 Q+A b2b91cb308 CMU 10799 S26: Lecture 10 - Distillation, Consistency Models \u0026 Flow Maps - Diffusion \u0026 Flow Matching - CMU 10799 S26: Lecture 10 - Distillation, Consistency Models \u0026 Flow Maps - Diffusion \u0026 Flow Matching 1 hour, 11 minutes - Lecture recording of Carnegie Mellon University's Spring 2026 Class: 10799 Diffusion \u0026 **Flow**, Matching Lecture 10: Distillation, ... b2b91cb308 Normalizing Flows - Intuition b2b91cb308 Comparison with VAEs \u0026 GANs b2b91cb308 Training Diffusion Models b2b91cb308 Swiss Roll Stability Visualization b2b91cb308 Bijective neural networks, one example b2b91cb308