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# Container generator matching model

What is generator matching?

We introduce Generator Matching, a modality-agnostic framework for generative modeling using arbitrary Markov processes.

Does generator matching unify generative modeling methods?

We show that Generator Matching unifies various generative modeling methods, including diffusion models, flow matching and discrete diffusion models. Furthermore, it expands the design space to new and unexplored Markov processes such as jump processes.

Which generative modeling methods can mate a marginal generator?

mate the marginal generator which generates the full data distribution. We show that Generator Matching unifies various generative modeling methods, including diffusion models, flow matching and discrete diffusion models. Furthermore, it expands the des

Is generator matching a modality-agnostic framework for generative modeling using arbitrary Markov processes?

Preprints and early-stage research may not have been peer reviewed yet. We introduce generator matching, a modality-agnostic framework for generative modeling using arbitrary Markov processes.

In this paper, we present a comprehensive theoretical comparison of diffusion and flow matching under the Generator Matching framework. Despite their apparent differences, both diffusion and ...

It is shown that Generator Matching unifies various generative modeling methods, including diffusion models, flow matching and discrete diffusion models, and expands the design space ...

To make training tractable, a conditional generator matching loss is defined. It is shown that minimizing the conditional generator matching loss also minimizes the generator ...

Generator Matching is a framework for generative modeling that uses parameterized Markov processes to learn the infinitesimal generator governing sample ...

Generator Matching [7] is a framework that unifies generative modeling with Markov processes on arbitrary state spaces. This framework allows combining different ...

Generator matching consolidates various existing generative methods, expanding into unexplored Markov processes like jump processes, and facilitates the creation of multimodal models. ...

In the realm of Artificial Intelligence Generated Content (AIGC), flow-matching models have emerged as a powerhouse, achieving success due to their robust theoretical ...

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Several works have sought to establish a unified framework for these generative models. Generator Matching is a new modality-agnostic framework for generative modeling. ...

We show that Generator Matching unifies various generative modeling methods, including diffusion models, flow matching and discrete diffusion models. Furthermore, it expands the ...

MG containerized type gensets use advanced sound-absorbing materials, scientific and unique design in airflow and noise control. The container is ...

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