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CausVid

- From Slow Bidirectional to Fast Causal Video Generators
- <https://arxiv.org/abs/2412.07772>
- CVPR 2025

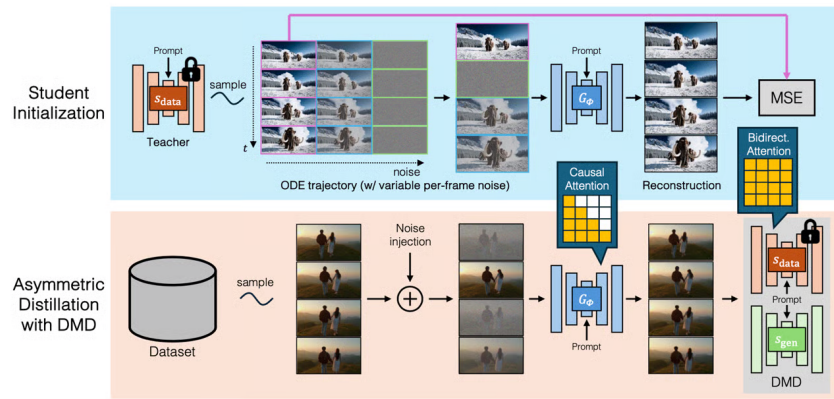


Figure 5. Our method distills a many-step, bidirectional video diffusion model s_{data} into a 4-step, causal generator G_{ϕ} . The training process consists of two stages. (top) Student Initialization: we initialize the causal student by pretraining it on a small set of ODE solution pairs generated by the bidirectional teacher (Sec. 4.3). This step helps stabilize the subsequent distillation training. (bottom) Asymmetric Distillation: using the *bidirectional* teacher, we train the *causal* student generator through a distribution matching distillation loss (Sec. 4.2).

DMD
 50
 4
 mask
 attention
 ODE
 DMD

- CogVideoX
- 64 H100/2 days
- <https://github.com/tianweiy/CausVid>

Newer

Older

2026-5-6

Self Forcing

2026-5-6

LongLive

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