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SimulateMotion

- □□□□□Training-Free Motion-Guided Video Generation with Enhanced Temporal Consistency Using Motion Consistency Loss
- □□□□□https://arxiv.org/abs/2501.07563
- arxiv

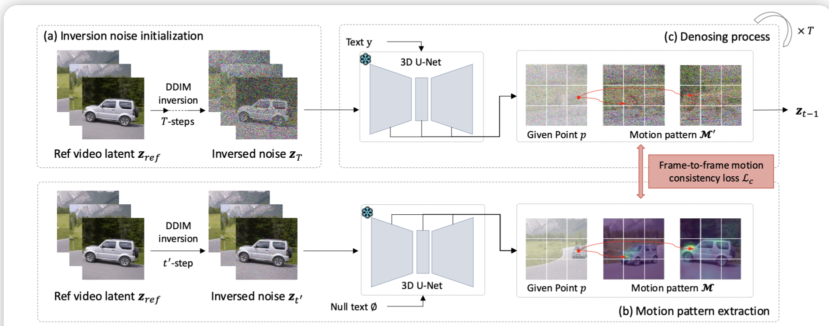

Figure 2. Overview of our method. We first conduct (a) inversion noise initialization on the reference video to obtain the initial noise z_T (Section 3.2). Then we (b) extract the motion pattern $\mathcal{M}$ from the reference video for each tracked point p (Section 3.3). During the (c) denoising process, we use the proposed frame-to-frame motion consistency loss $\mathcal{L}_c$, calculated with Eq. 4 based on $\mathcal{M}$ and newly extracted $\mathcal{M}'$ from the noise z_t as the motion guidance for the noise estimation (Section 3.4). The detail of our method is in Algorithm 1.

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