

Generated by dataset distillation
methods (e.g., MTT, NCFM, DM ...)

Plug-and-Play Refinement Module

Latent Codes

Encoder

\tilde{Z}

noise injection

DDPM

(Short Step Sampling)

$Z_T \rightarrow Z_{T-1} \rightarrow \dots \rightarrow Z_{\bar{K}} \rightarrow Z_{\bar{K}-1} \rightarrow \dots \rightarrow Z_1 \rightarrow Z_0$

$\text{cat}(\tilde{Z}, \tilde{Z})$

$T = 50$

Classifier-Free
Guidance

Decoder

Real Class

Null Class

Concatenate

High-Frequency Energy Ratio

Original(low)

Distilled(high)

Refined(low)

Refined Datasets

Distilled

Refined

Distilled Datasets

Original Datasets

Surrogate Driven

