

SynthesizedCrackImages

Synthesizing Semantic Crack Images Using Propagation Simulations and GANs



Dataset

The comprehensive dataset used in this study consists of **90,000 images** and is available for download. The dataset is organized into two main parts:

Summary of the Analyzed Datasets

Dataset	Size	Note
CFD10k	9,440	Augmented from the CFD dataset
ControlNet10k	10,000	Synthesized using ControlNet and Stable Diffusion
Pix2pixHD10k	10,000	Synthesized using Pix2pixHD
Pix2pixHD10k_nn	10,000	Synthesized without additive noise using Pix2pixHD
DP-GAN10k	10,000	Synthesized using DP-GAN
DP-GAN10k_nn	10,000	Synthesized without additive noise using DP-GAN
OASIS10k	10,000	Synthesized using OASIS
OASIS10k_nn	10,000	Synthesized without additive noise using OASIS

➡ **Download the dataset link in file pdf here:** [SynthesizedCrackImages Dataset](#)

Or link: https://vnueduvn-my.sharepoint.com/:f:/g/personal/hieus_lecong_vnu_edu_vn/EoMKqKzNpmNFtrSHZkU_NB4Be6LQDFE7f0ycBqPz-T7Vfg?e=eghXlg