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Abstract

The rapid advancement of computer vision techniques has brought about significant breakthroughs in various applications, including scene understanding and analysis. One of the prominent methodologies in this field involves the utilization of Generative Adversarial Networks (GANs) for scene detection, which has shown remarkable potential in automatically identifying and categorizing different scenes within images and videos. This seminar explores the cutting-edge techniques and methodologies employed in scene detection using GANs.It will then explore the concept of scene detection and its significance in different domains.It will then explore the concept of scene detection and its significance in different domains. The integration of GANs in scene detection pipelines offers promising capabilities, including learning scene representations directly from data without the need for explicit feature engineering.

Keywords: Synthetic Scene Generation , Scene Recognition , DeepLearning , Semi-Supervised Learning , GAN-Based Scene Analysis , Generative Adversarial Networks (GANs),Scene Detection

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