

Research on the Stable Diffusion model for solving the problem of generating clothing images from text descriptions.

Le Thi Ha Thuong

Abstract: In the context of the rapid development of artificial intelligence technology, this topic focuses on researching and applying the Stable Diffusion model to address important issues in the fields of Natural Language Processing (NLP) and deep learning. The main objective is to build a system capable of generating clothing images based on text descriptions. The methodology combines theoretical research with application deployment, aiming to create effective solutions for the fashion and entertainment industries. The expected results of this topic not only contribute to the development of Stable Diffusion but also have the potential to expand practical applications in many other fields.

Keywords: Stable Diffusion, Natural Language Processing (NLP), Deep Learning, Clothing Image Generation, Text Description Analysis