

Application of deep learning models in the problem of age-progressed face image generation

Lai Sinh Quan

Abstract: This topic focuses on using deep learning models to solve the problem of generating facial images based on age. In the context of increasingly advanced technology, the need for the ability to recognize and reconstruct facial images according to age has become important. The objective of the research is to build a system that can automatically determine and generate facial images corresponding to a target age by training a deep learning model on a large dataset. The approach is carried out based on a combination of machine learning theory and experimentation, aiming to evaluate the effectiveness of the proposed system. The expected result is a contribution to the field of facial recognition research and the development of practical applications such as security surveillance systems and age-based personalized services.

Keywords: Deep learning model, Face image generation, Age