

Build a program to simulate image enhancement and image compression techniques.

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Abstract: In practice, improving image quality and the efficiency of the image compression process plays an important role. This topic focuses on building a simulation program to explore advanced techniques in image processing and image compression. The main goal is to develop an effective simulation system that allows for the study and application of new advancements in this field. The method combines theoretical analysis and experimentation to achieve the set objectives. The expected results of the topic not only include building an application deployment platform but also contribute to the general understanding of improving image quality and optimizing the compression process.

Keywords: automated image processing, image compression techniques, digital simulation