Project 1 - Halftoning

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Abstract—

I. INTRODUCTION

Halftoning is a technique which is used for reducing the number of colors used to represent an image, while is desired to keep a good visual perception of its contents for the user. In this work, the implementation of halftoning techniques with error difusion was realized. For each technique, tests were executed to analyze the quality of the output image, sweeping the image in two different ways. The next section explains the implemented algorithms and the following, the tests done and the discussion.

II. IMPLEMENTED ALGORITHM

III. EXPERIMENTS

IV. DISCUSSION

V. CONCLUSION

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