Certificate

This is to certify that the Dissertation entitled "**A Noble Approach to Detect Salient Region from Images**" by Mr. Krishan Sharma, student of Master of Technology (Signal Processing & Digital Design); Session [2012-2014], of Delhi Technological University, Delhi is hereby accepted and approved as a credible work. It is further certified that this work has not been submitted for similar purpose anywhere else.

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ABSTRACT

Visual saliency is the perceptual quality that captures our attention and makes an object, person, or pixel stand out relative to its neighbors. The focus of this report is to design an algorithm for the automatic detection of visually salient regions in images, which is useful in applications such as adaptive content delivery, adaptive region-of-interest based image compression, image segmentation, object recognition, and content aware image resizing. In this work, an algorithm is designed to detect salient regions from images based on both global and local features and results are compared with several states of art methods given in literature. We found that our algorithm works best in term of precision, recall and f-measure. Also the computational complexity of our algorithm is very low so it can be used for real time applications.

CONTENTS

Certificate i

Acknowledgement ii

Abstract iii

Table of Contents iv

List of figures vi

List of Tables viii

1. Problem Definition 1-6

1.1 Introduction to Saliency 1

1.2 Salient Region Detection Techniques 1

1.3 Problem Identified 2

1.4 Proposed Technique 3

1.5 Tool Used 3

1.6 Performance Evolution Matrices 4

1.6.1 Precision 4

1.6.2 Recall 4

1.6.3 F-measure 5

1.7 Organization of Thesis 6

2. Introduction to Digital Images 7-9

2.1 Types of Digital Images 7

3. Literature Survey and Problem Identification 10-31

3.1 Previous Techniques Implemented 10

3.1.1 Achanta Saliency Detection Method 10

3.1.2 Frequency Tuned Method 12

3.1.3 Maximum System Surround Method 15

3.1.4 Compressed Domain Saliency Detection Method 17

3.1.5 Non Parametric Low Level Vision Method 21

3.1.6 Context Aware Saliency Detection Method 25

3.1.7 Spectral Residual Approach Method 28

4. Proposed Technique **32-38**
4.1 RGB to CIE Lab Color Space Conversion 33
4.2 Frequency Feature Calculation 34
4.2.1 Log Gabor Filter 35
4.3 Color Feature Calculation 36
4.4 Centre Feature Calculation 37
4.5 Luminance Feature Calculation 38
4.6 Combining Features 38
5. Simulation and Results **39-46**
5.1 Setup Parameters 39
5.2 Qualitative Evolution 39
5.3 Quantitative Evolution 44
5.3.1 Fixed Threshold Segmentation 44
5.3.2 Adaptive Threshold Segmentation 45
5.4 Computational Cost 46
6. Conclusion and Future Scope **47-48**
6.1 Conclusion 47
6.2 Future Scope 48

References **49-50**

List of Figures

Figure	Description	Page no.
Fig. 1.1	Confusion matrix	5
Fig. 2.1	Digital Image representation	7
Fig. 2.2	Binary Image	7
Fig. 2.3	Grayscale Image	8
Fig. 2.4	True color Image	8
Fig. 2.5	Indexed Image	9
Fig. 3.1(a)	Contrast determination filter with inner & outer region	10
Fig. 3.1(b)	Variation of width of R_2 at different scale	10
Fig. 3.1(c)	Image filtering at one scale	10
Fig. 3.2	Band-pass filtering output with increasing bandwidth	15
Fig. 3.3 (A)	Frequency tuned method feature calculation representation	16
Fig. 3.3 (B)	Maximum system surround method feature calculation representation	16
Fig. 3.4	DCT coefficient for 8*8 block	18
Fig. 3.5	Block diagram of non parametric low-level vision method	24
Fig. 3.6	Log spectrum, average spectrum and spectral residual for an image	30
Fig. 3.7	Spectral residual saliency map for different filter size h(f)	30
Fig. 4.1	Flow chart of proposed algorithm	32
Fig. 4.2	CIE Lab color space	33
Fig. 4.3	Frequency response of Log Gabor filter	35
Fig. 5.1	Input Images	40
Fig. 5.2	Ground truth	40
Fig. 5.3	Achanta method saliency map	40
Fig. 5.4	Frequency tuned method saliency map	41
Fig. 5.5	Maximum system surround method saliency map	41
Fig. 5.6	Compressed domain method saliency map	42

Fig. 5.7	Non Parametric low level vision method saliency map	42
Fig. 5.8	Context aware method saliency map	42
Fig. 5.9	Spectral residual method saliency map	43
Fig. 5.10	Ours method saliency map	43
Fig. 5.11	Fixed threshold based comparison of precision, recall & f-measure	44
Fig. 5.12	Adaptive threshold based comparison of precision, recall & f-measure	46

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List of Tables

Table	Description	Page no.
Table 5.1	Set-up Parameters	39
Table 5.2	Precision, Recall and F-measure	45
Table 5.3	Computational Cost	46

List of Abbreviations

AC	Achanta Saliency Detection method
FT	Frequency Tuned Method
MS	Maximum System Surround Method
CD	Compressed Domain Saliency Detection Method
NP	Non parametric Low level Vision Method
CA	Context Aware Saliency Detection Method
SR	Spectral Residual Method