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ABSTRACT

Image Processing is a vast field which found its applications in Biomedical, Defense, Industrial, and Security purposes etc. Object tracking uses image processing algorithms to detect a moving object and follow it. Object tracking is important because it enables several important applications such as: Security and surveillance - to recognize people, to provide better sense of security using visual information; Medical therapy - to improve the quality of life for physical therapy patients and disabled people; Retail space instrumentation - to analyze shopping behavior of customers, to enhance building and environment design; Video abstraction - to obtain automatic annotation of videos, to generate object-based summaries; Traffic management - to analyze flow, to detect accidents; Video editing - to eliminate cumbersome human-operator interaction, to design futuristic video effects; Interactive games . We have tried to design some efficient object tracking algorithms.

Table of contents

1.	INTRODUCTION	1
1.1	Objectives	2
1.2	Scopes	2
1.3	Motivations	2
1.4	Limitations	2
1.4.1	Software limitations.	3
1.4.2	Hardware limitations	3
2.	LITERATURE SURVEY	4
2.1	Applications Of Image Processing	6
2.1.1	Counting And Gauging	6
2.1.2	Visual Inspection	7
2.1.3	Exploring 3-D space	8
2.2	Definition of an image	10
2.2.1	Pixel	10
2.3	Resolution	11
2.3.1	Pixel resolution	11

2.3.2	Spatial resolution	12
2.3.3	Spectral resolution	12
2.3.4	Temporal resolution	13
2.3.5	Radiometric resolution	13
2.4	Segmentation	13
2.5	Thresholding	14
2.6	Edge Detection Methods	15
2.7	Component of Image Processing System	15
2.8	Image Processing Operations Hierarchy	16
2.9	Real projects	19
2.9.1	Contrves- Goerz Kinteo Tracking Mounts (Ktm)	19
3.	AIM AND STATEMENT OF PROBLEM.	23
4.	ANALYSIS AND DESIGN	25
4.1	Requirement capture	26
4.2	Overall system structure	26
4.3	Motion Detection Algorithms.	27
4.3.1	Algorithm 1	27

4.3.2	Algorithm 2	29
4.3.3	Algorithm 3	31
4.3.4	Algorithm 3 Optimized	33
4.3.5	Algorithm 4	35
4.3.6	Algorithm implemented on C	37
5.	IMPLEMENTATION	40
5.1	Outline	41
5.2	Application Classes	43
5.2.1	Camera window	43
5.2.2	Capture Device Form	44
5.2.3	URL Form	46
5.2.4	Main Form	47
5.3	Motion Detection Classes	50
5.3.1	Motion Detection 1	51
5.3.2	Motion Detection 2	52
5.3.3	Motion Detection 3	53
5.3.4	Motion Detection 3 Optimized	54

5.3.5	Motion Detection 4	55
5.4	Filter Application Classes	56
5.5	Video Sources and Video Files access classes	57
5.5.1	AVI Reader	57
5.5.2	AVI Writer	58
5.5.3	Win32 VI File Storage and Access	59
5.5.4	Camera Event handlers	60
5.6	Byte Array Utilities	60
5.7	Capture Device Class	61
5.8	JPEG Stream Reader Class	63
5.9	MPEG Video Stream	64
5.10	Video File Source	65
5.11	Video Stream	66
6.	TESTING	68
6.1	Software Interface Test	69
6.2	Hardware Interface Test	73
7.	RESULTS	75

8.	DISCUSSION	77
9.	CONCLUSION	80
10.	FUTURE WORK	82
10.1	Self Zoom	83
10.2	Improvement In Tracking	83
10.3	Pattern Matching	83
11.	REFERNCES	84
12.	REFERENCES	87