

	Column 0	Column 1	Column ...	Column m
Row 0	0,0	0,1	...	0, m
Row 1	1,0	1,1	...	1, m
Row ...	...,0	...,1	...	..., m
Row n	n,0	n,1	n,...	n, m

	Column 0			Column 1			Column ...			Column m		
Row 0	0,0	0,0	0,0	0,1	0,1	0,1	...	...	...	0, m	0, m	0, m
Row 1	1,0	1,0	1,0	1,1	1,1	1,1	...	...	...	1, m	1, m	1, m
Row ...	...,0	...,0	...,0	...,1	...,1	...,1	...	...	...	..., m	..., m	..., m
Row n	n,0	n,0	n,0	n,1	n,1	n,1	n,...	n,...	n,...	n, m	n, m	n, m



1	1	2	5	6	3	6	7	3
2	3	4	6	7	5	1	8	4
8	7	6	5	7	6	3	3	4
2	3	5	6	7	8	2	7	3
4	5	3	2	1	6	8	7	2
1	4	5	3	2	6	7	8	1
2	3	4	5	6	8	9	2	1

Input image

$$* \frac{1}{9}$$

1	1	1
1	1	1
1	1	1

Mask

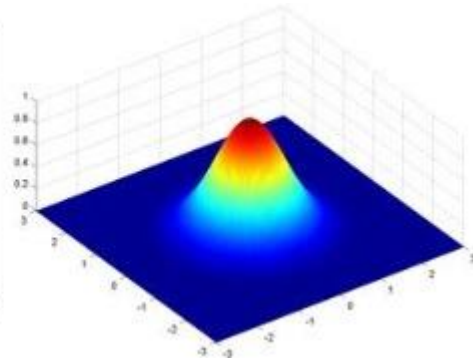
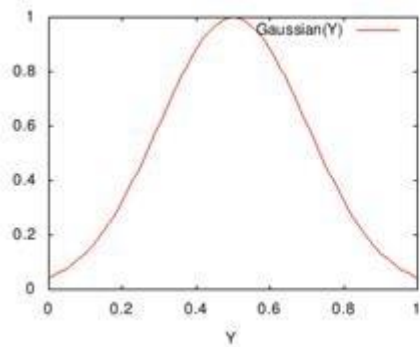
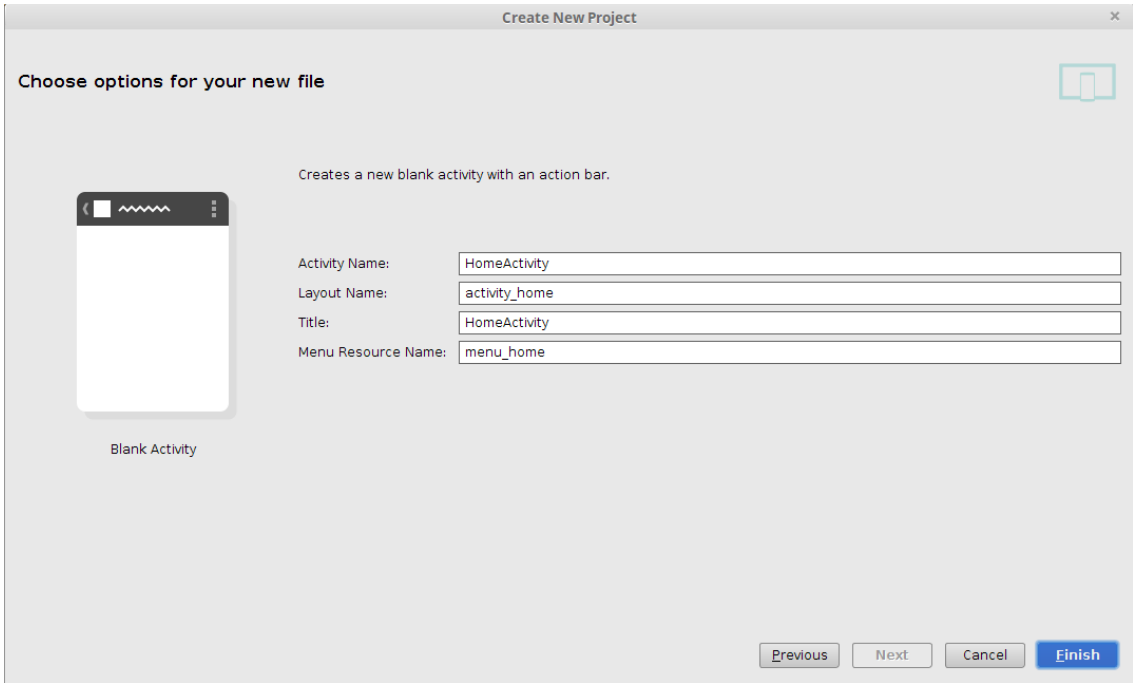


Convolution operation

1	1	1	2	5	6	3	6	7	3
2	3	4	4	6	7	5	1	8	4
8	7	6	6	5	7	6	3	3	4
2	3	5	6	7	8	2	7	3	
4	5	3	2	1	6	8	7	2	
1	4	5	3	2	6	7	8	1	
2	3	4	5	6	8	9	2	1	

1	2	3	4	4	4	4	4	3
3	4	5	6	6	5	5	5	4
3	5	5	6	7	6	5	4	4
4	5	5	5	6	6	6	5	3
3	4	4	4	5	6	7	5	3
3	4	4	4	5	6	7	5	3
2	3	3	3	4	5	5	4	2

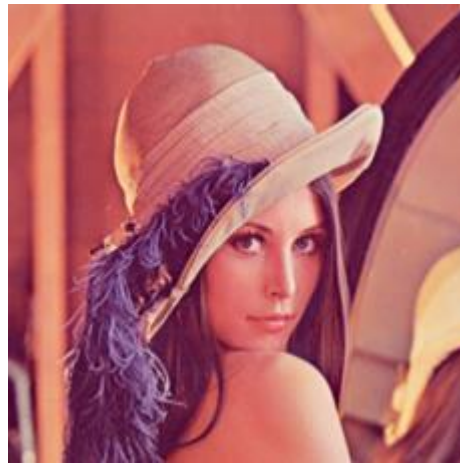
Output Image

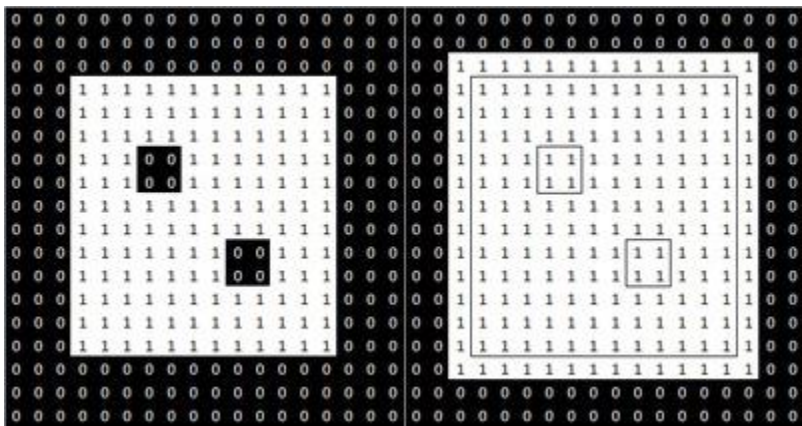


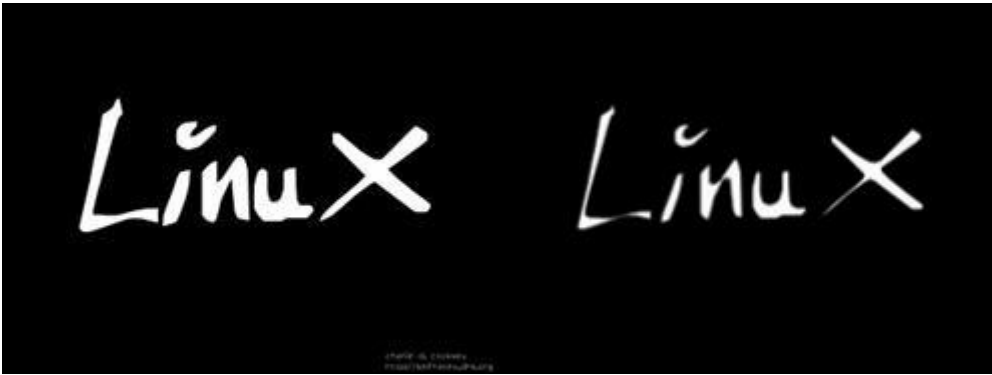
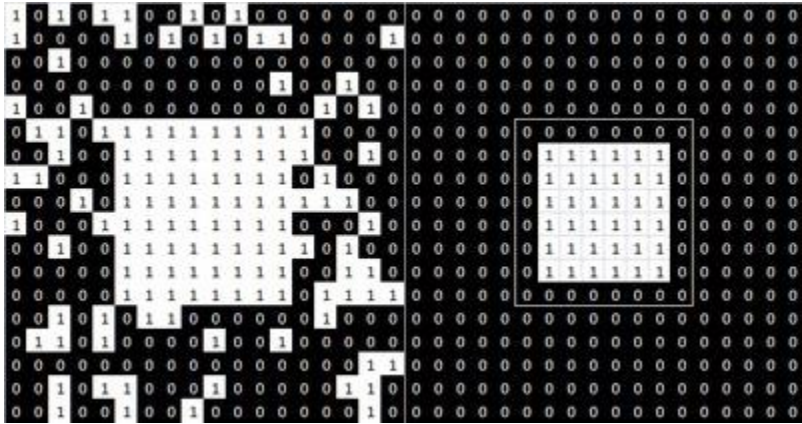
1	2	1
2	4	2
1	2	1

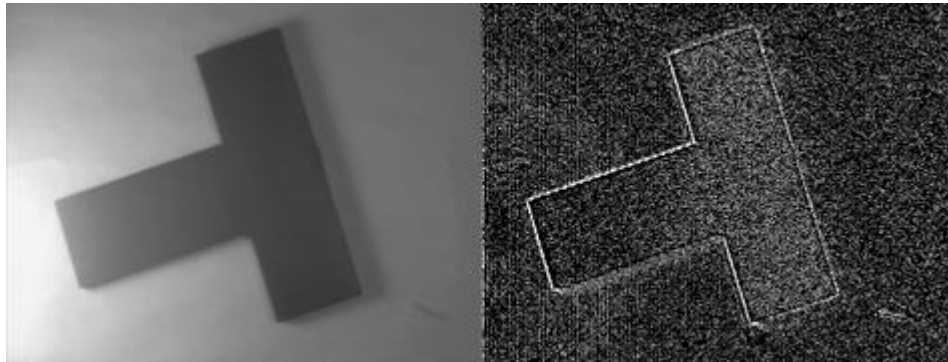
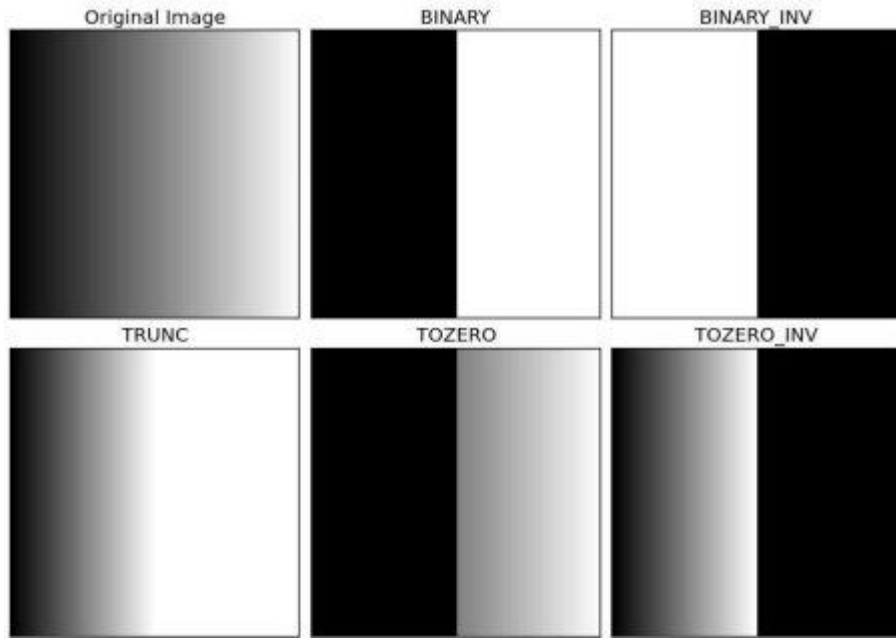
2	7	12	7	2
7	31	52	31	7
12	52	127	52	12
7	31	52	31	7
2	7	12	7	2

1	1	2	2	2	1	1
1	3	4	5	4	3	1
2	4	7	8	7	4	2
2	5	8	10	8	5	2
2	4	7	8	7	4	2
1	3	4	5	4	3	1
1	1	2	2	2	1	1









Chapter 2



-1	0	+1
-2	0	+2
-1	0	+1

x filter

+1	+2	+1
0	0	0
-1	-2	-1

y filter

**How to solve
sudoku puzzles**

To solve a sudoku, you only need logic and patience. No math is required.

Simply make sure that each 3x3 square region has a number 1 through 9 with only one occurrence of each number.

Each column and row of the large grid must have only one instance of the numbers 1 through 9.

The difficulty rating on this puzzle is medium.

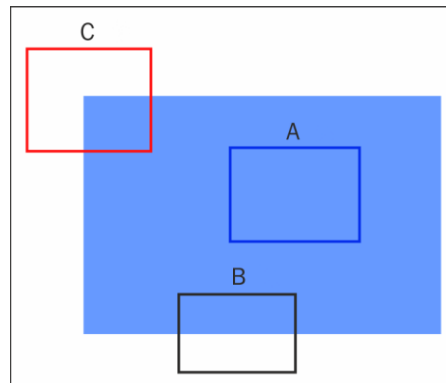
Answer on p.28

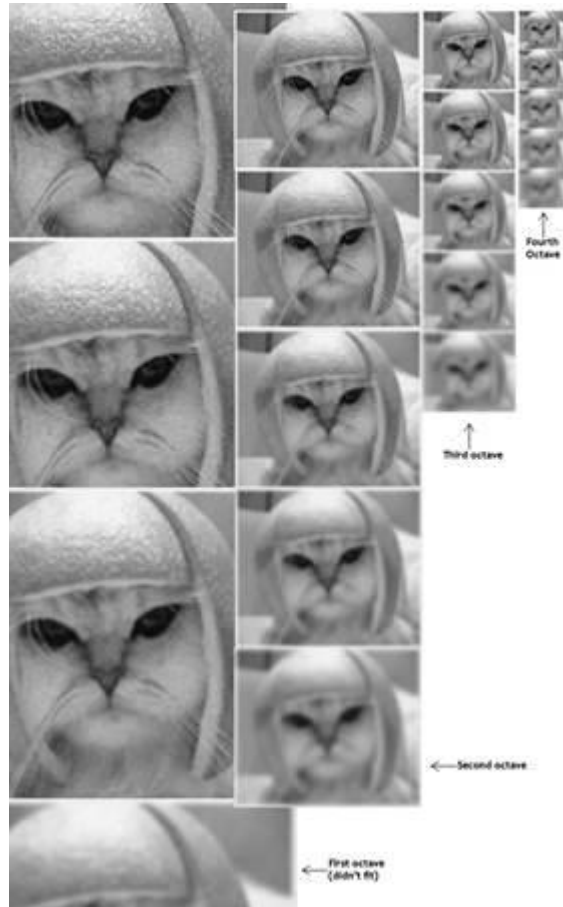
			3	8		2
	3	6			4	1
8						5 6
5	8					
7			9	2		1
						9 3
1	2					5
	9	7			1	2
3		8		6		

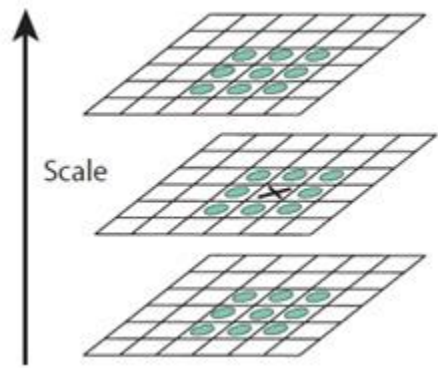
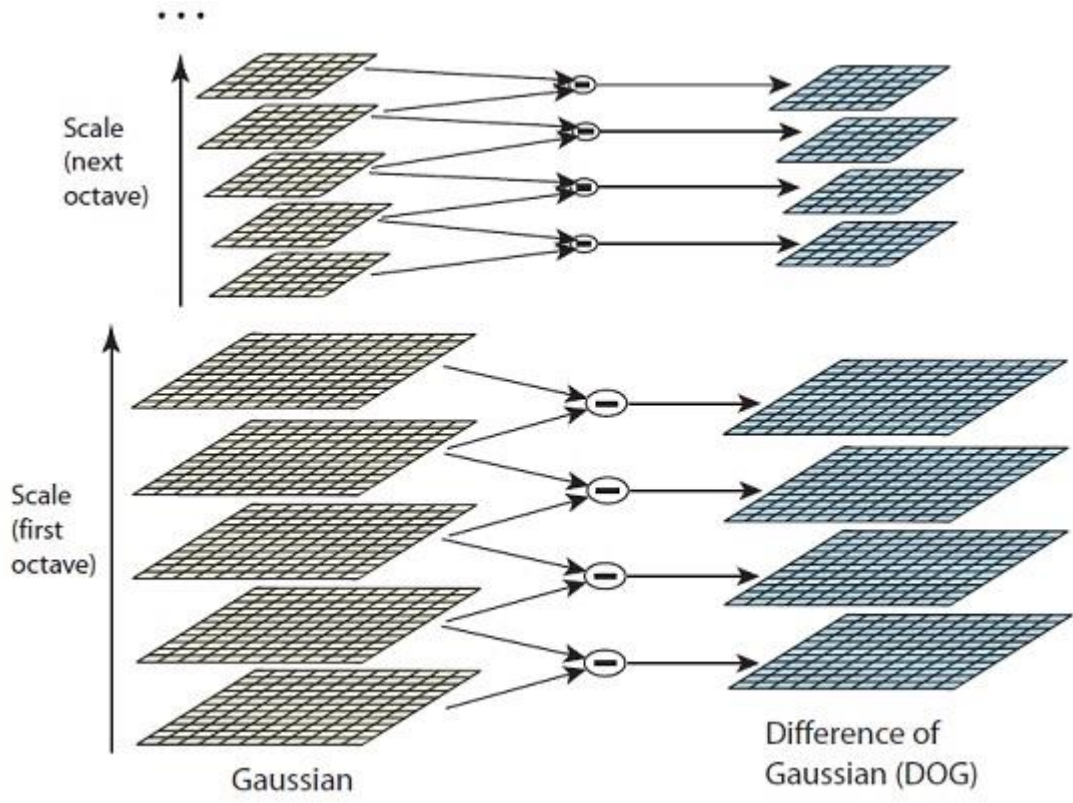
Turkey Time Sudoku

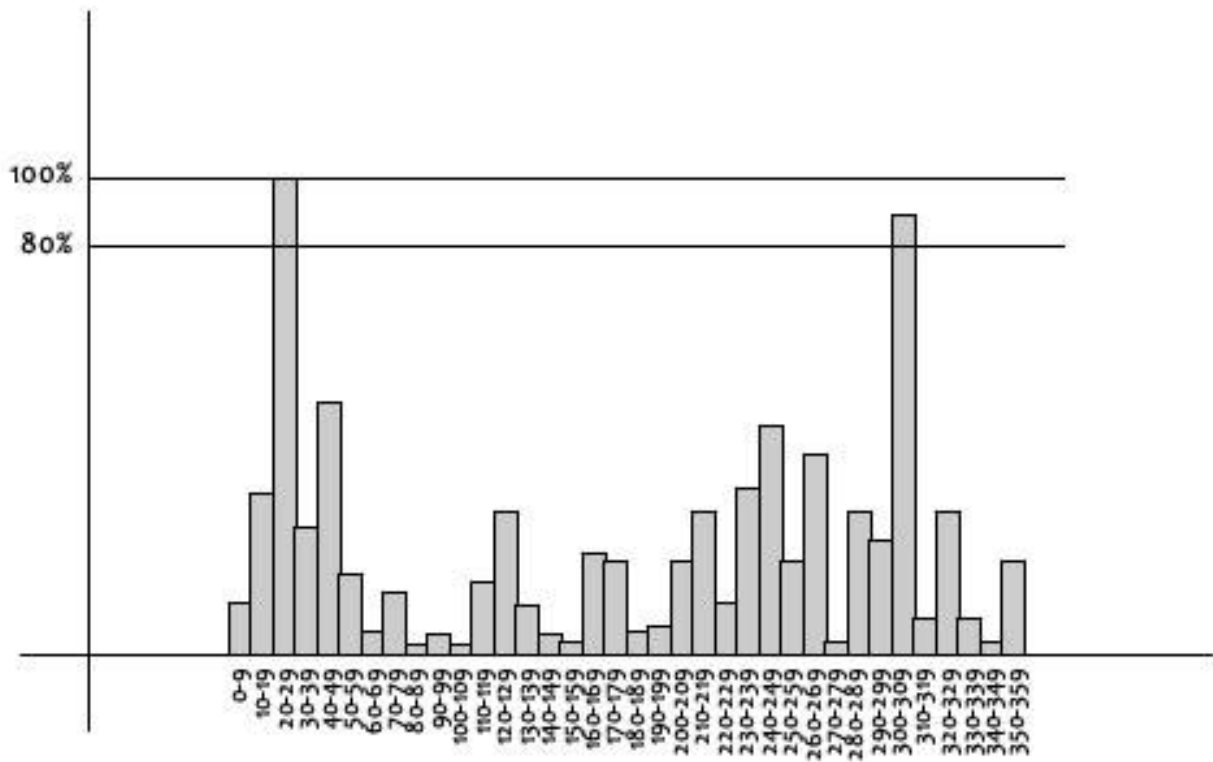
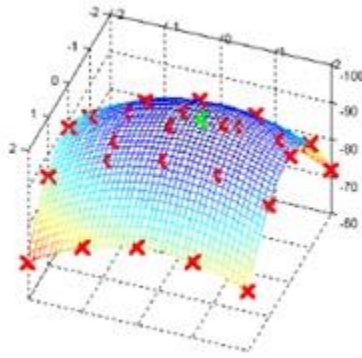
				3		8		2
	3	6				4	1	
8							5	6
5	8							
7			9		2			1
							9	3
1	2							5
	9	7				1	2	
3		8		6				

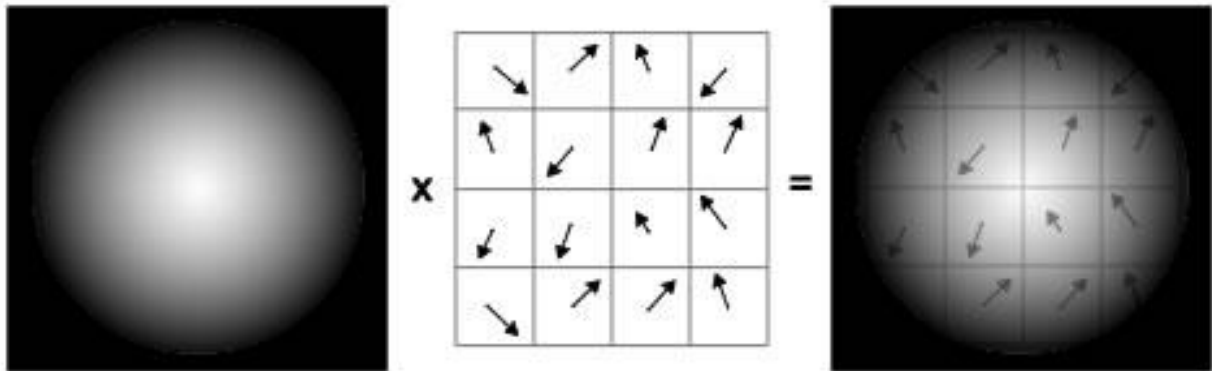
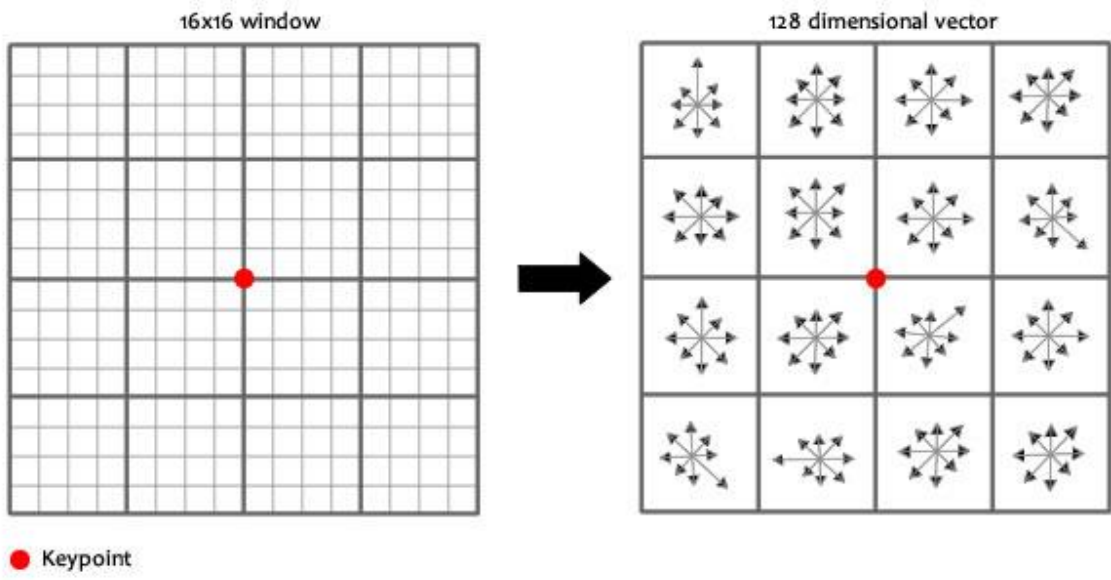
Chapter 3











FRAME
[PACKT]

MATCHED

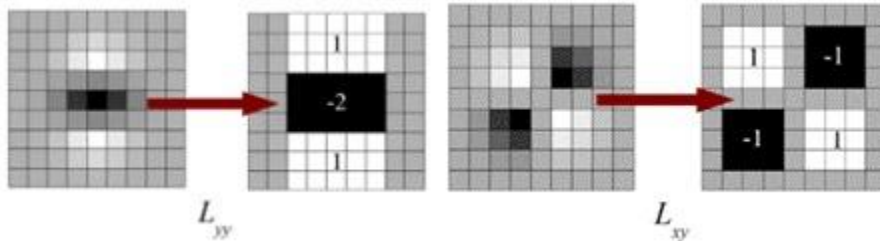
From Technologies to Solutions

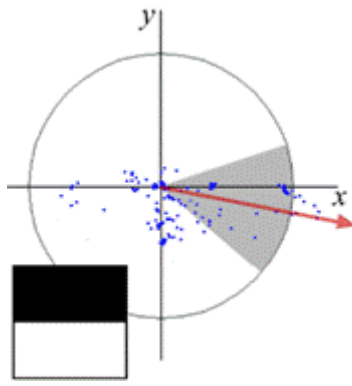
Creating your
MySQL Database
Practical Design Tips and Techniques

A short guide for everyone on how to structure your data and set-up your MySQL database tables efficiently and easily.

Marc Delisle

[PACKT]
PUBLISHING





FRAME
[PACKT]

MATCHED

From Technologies to Solutions

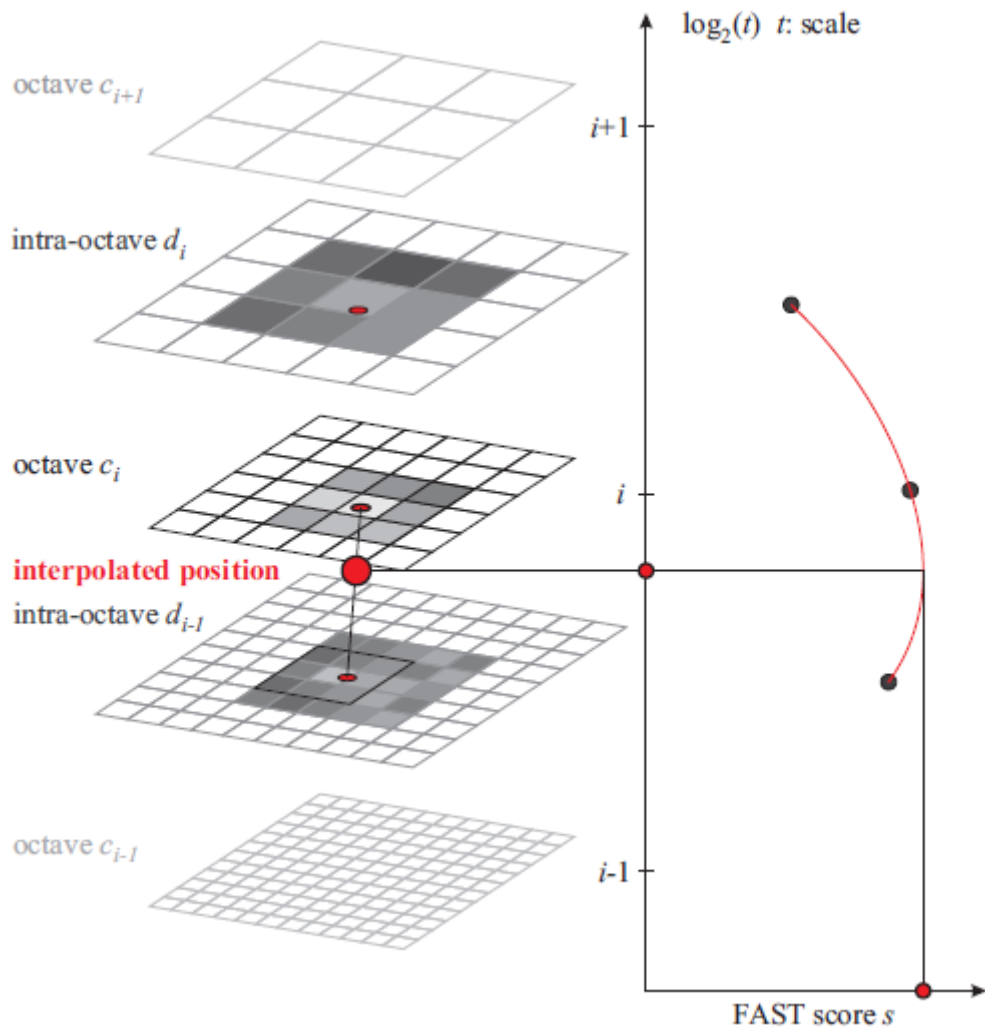
Creating your
MySQL Database
Practical Design Tips and Techniques

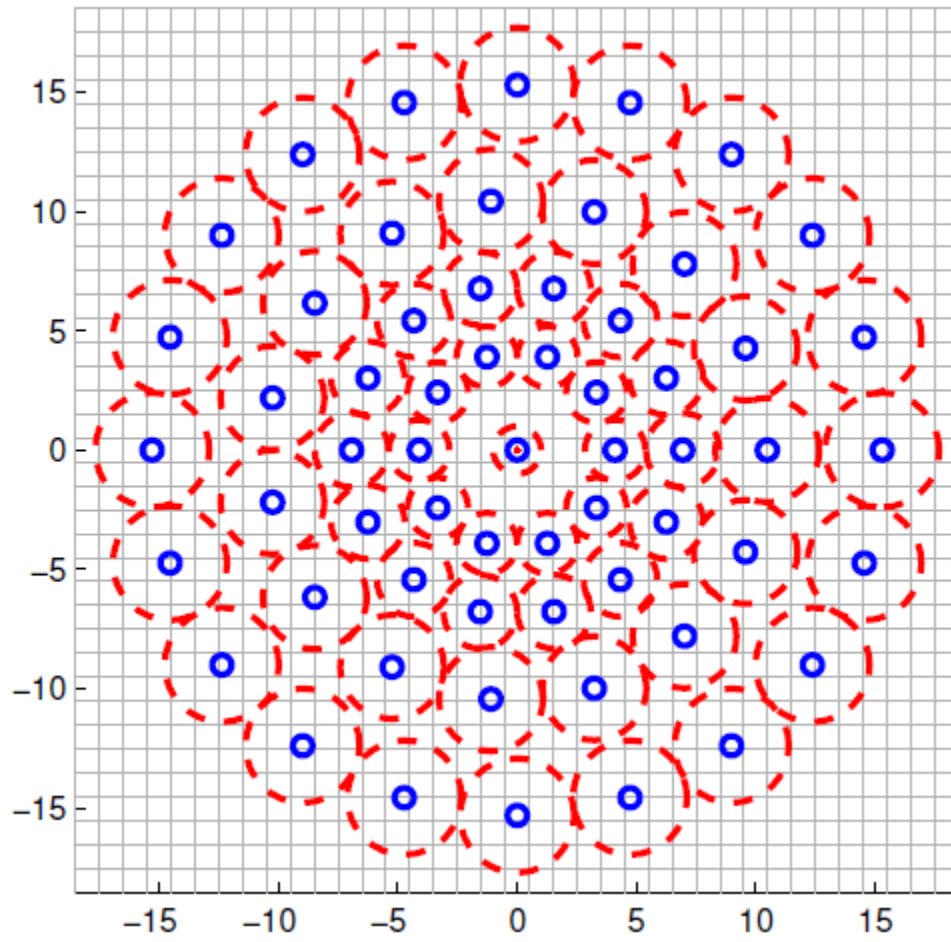
A short guide for everyone on how to structure your data and set up your MySQL database tables efficiently and easily.

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From Technologies to Solutions

Creating your

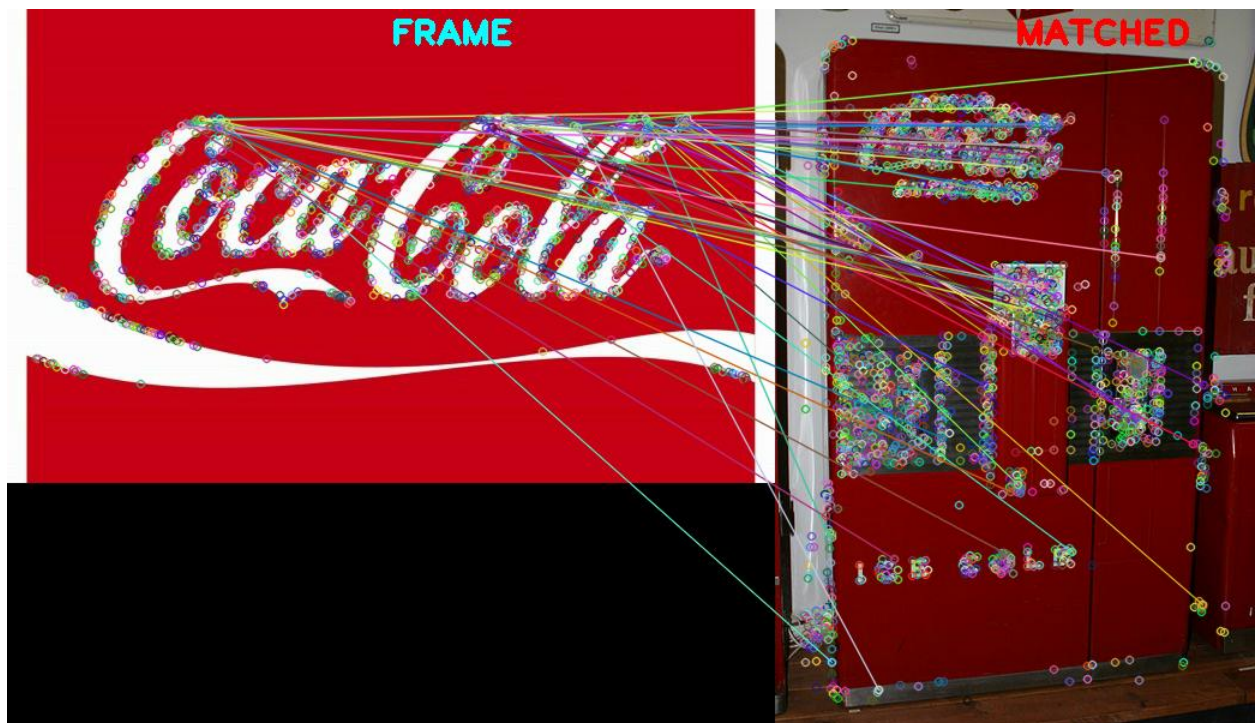
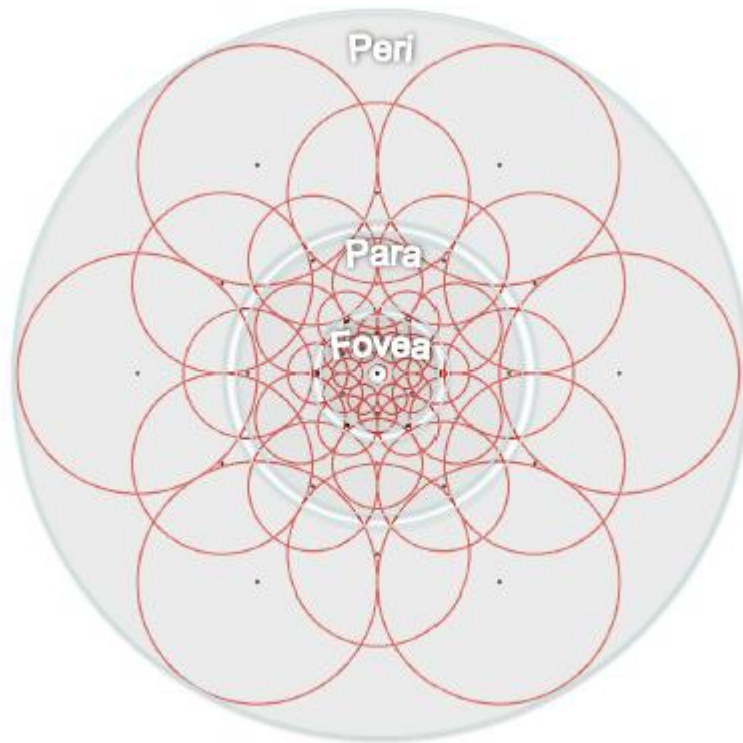
MySQL Database

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A short guide for everyone on how to structure your data and set-up your MySQL database tables efficiently and easily.

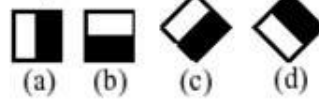
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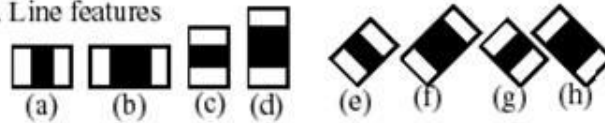


Chapter 4

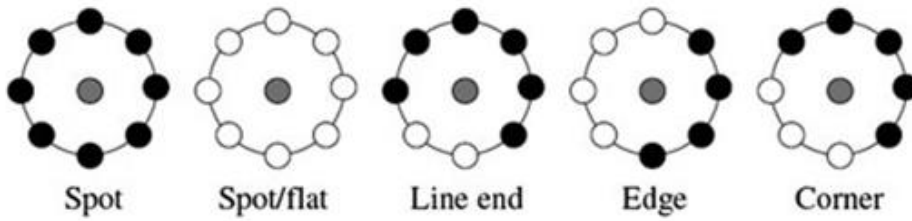
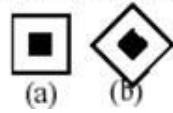
1. Edge features

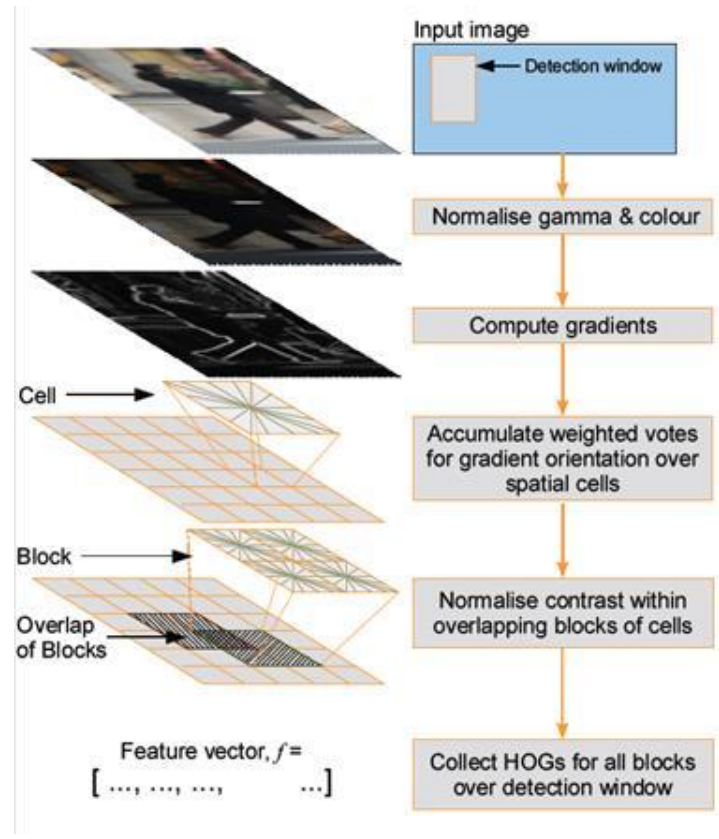


2. Line features

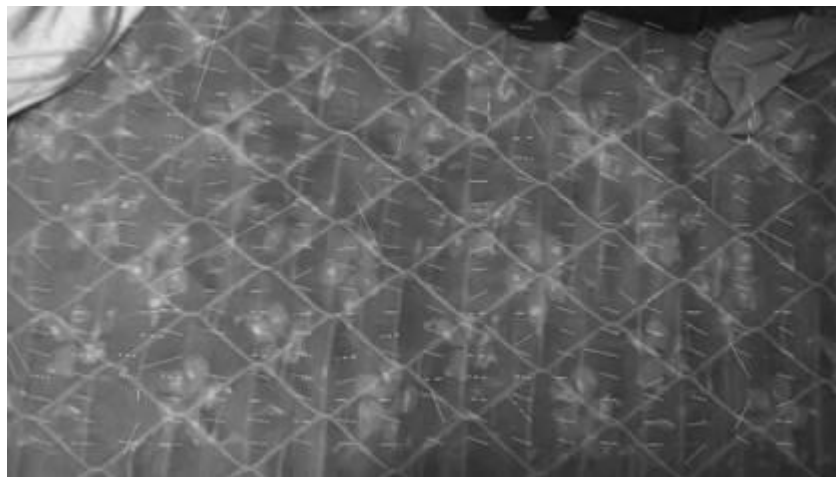


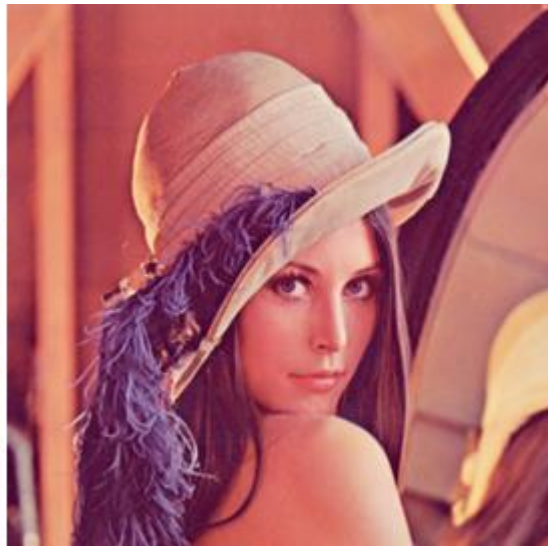
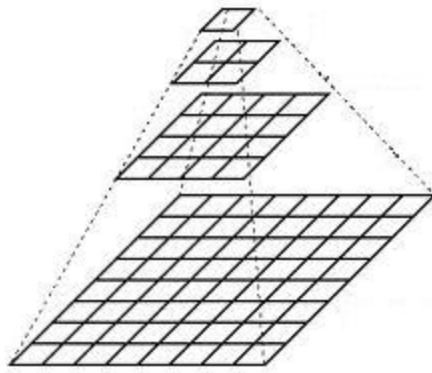
3. Center-surround features

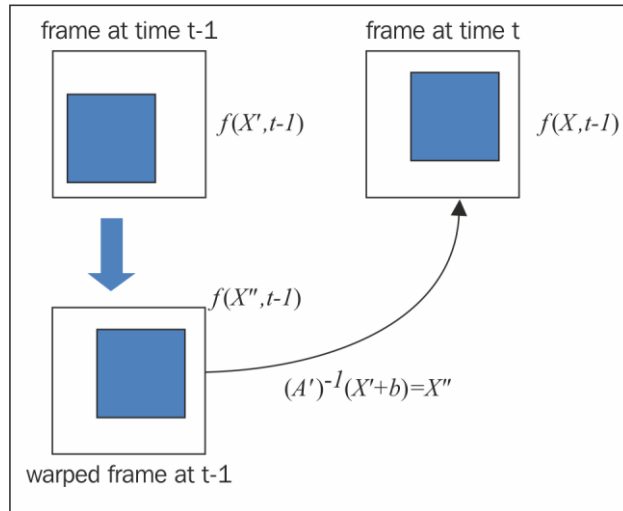
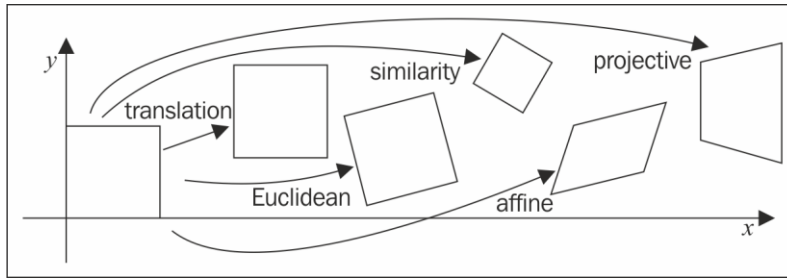


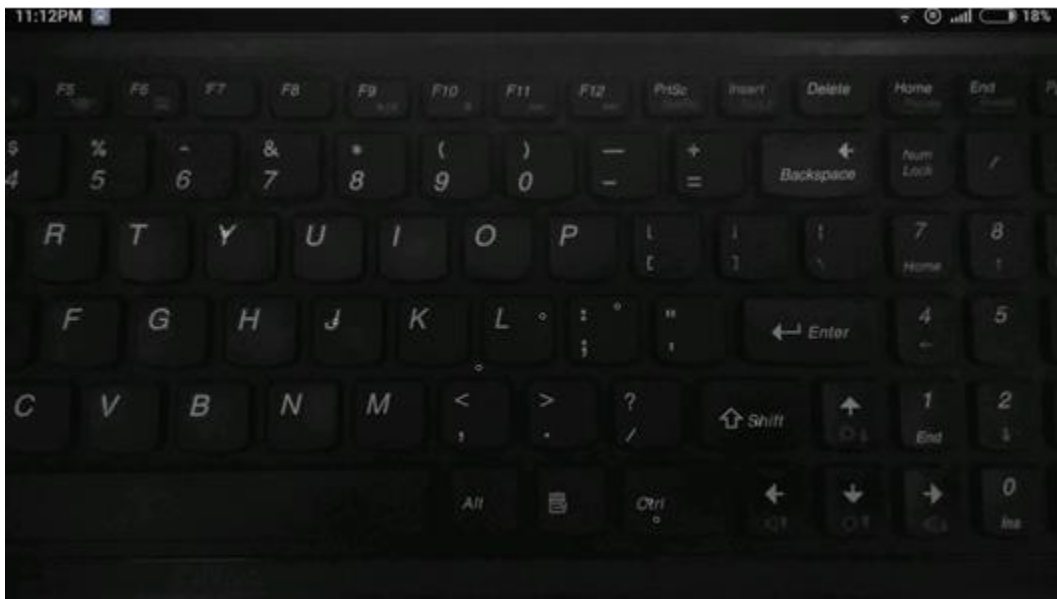
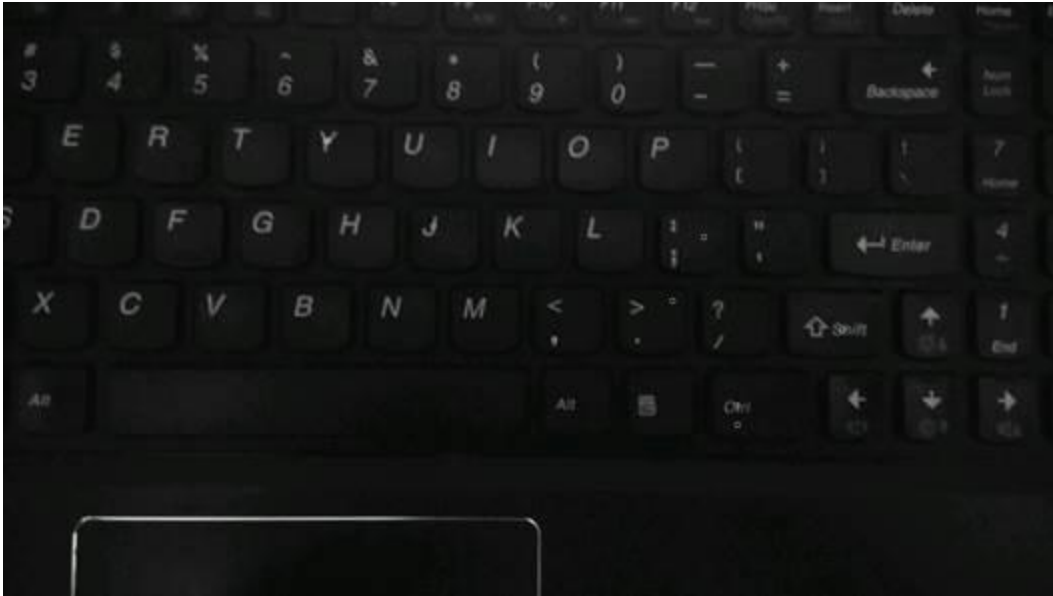


Chapter 5



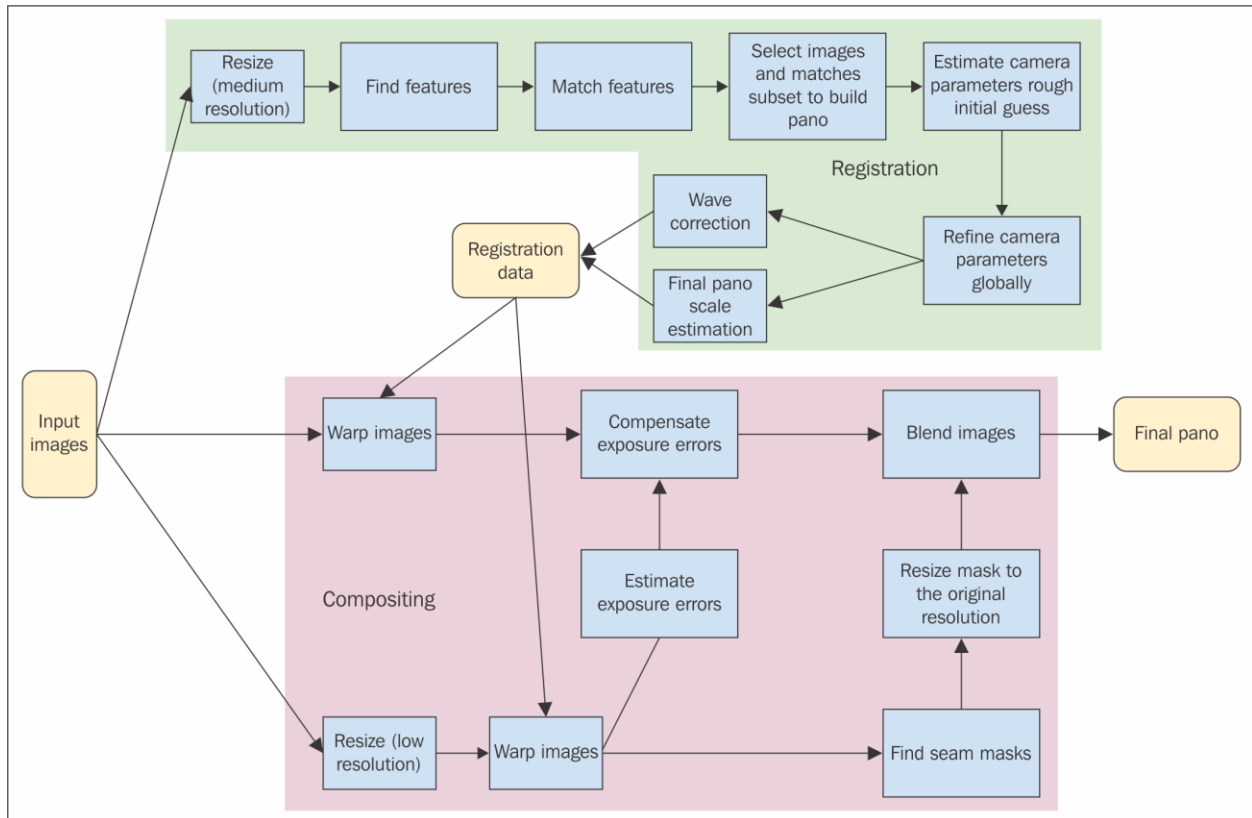


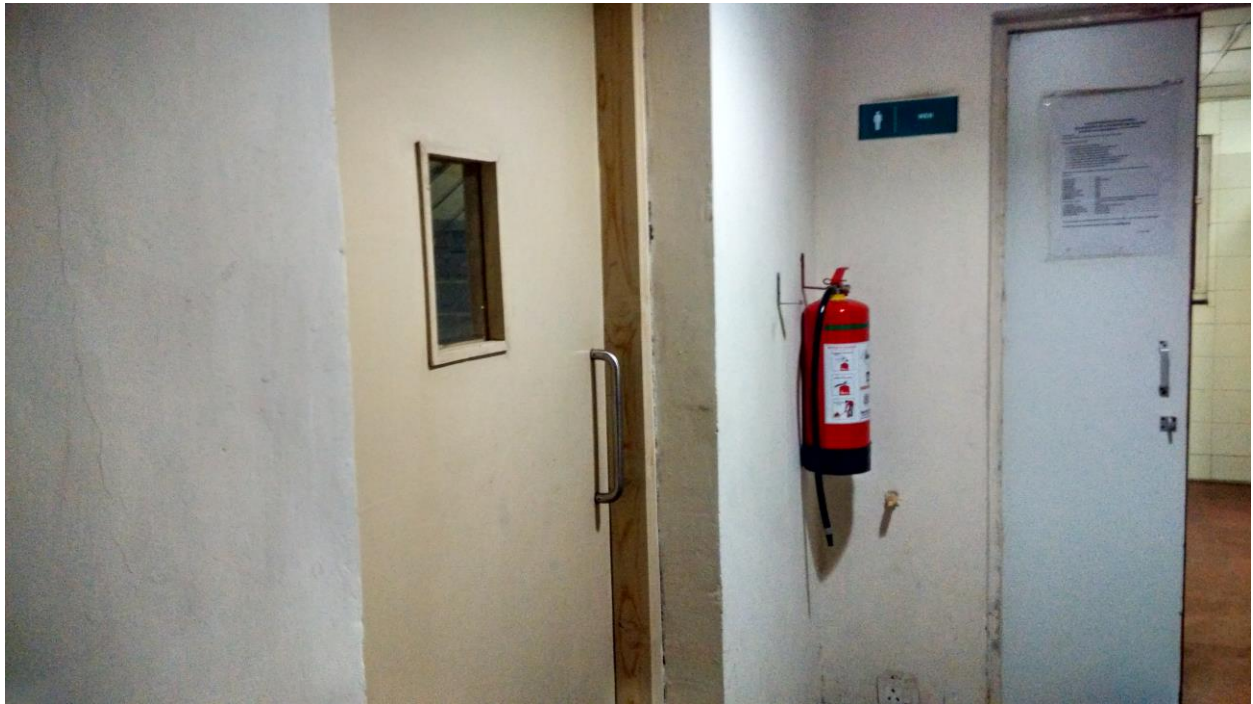




Chapter 6



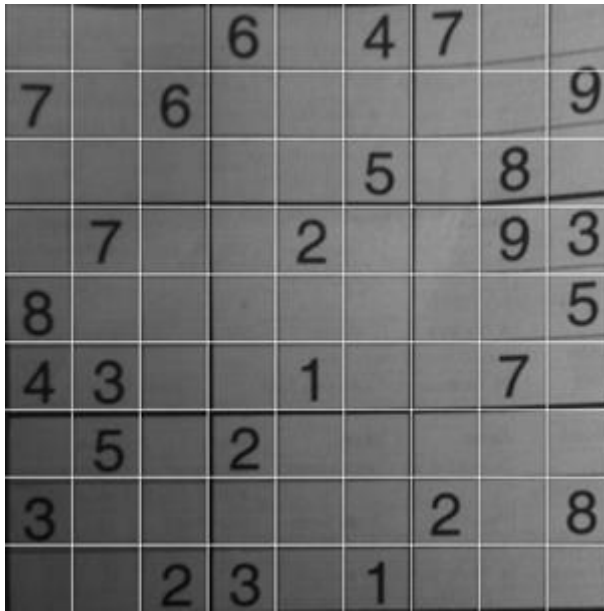






Chapter 7





Chapter 9



