

OpenCV3.1.0 特征提取与检测教程





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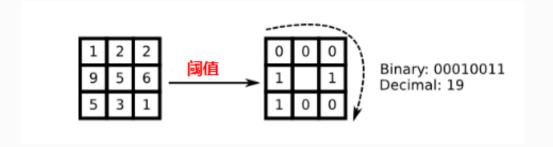
微博:流浪的鱼-GloomyFish

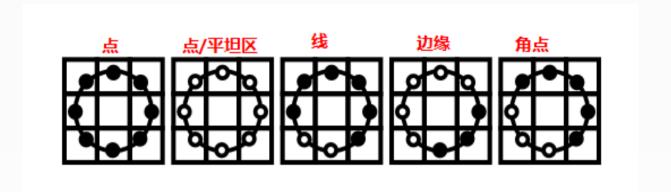


LBP(Local Binary Patterns)特征

- LBP特征介绍
- 代码演示

LBP特征介绍





LBP表达

example			
6	5	2	
7	6	1	
9	8	7	

urresnoided		
1	0	0
1		0
1	1	1

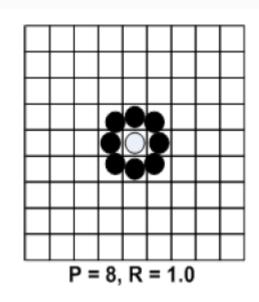
throsholded

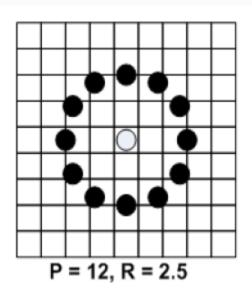
1	2	4
128		8
64	32	16

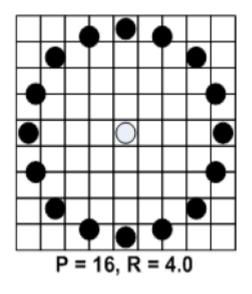
weights

Pattern = **11110001**
LBP =
$$1 + 16 + 32 + 64 + 128 =$$
 241
C = $(6+7+8+9+7)/5 - (5+2+1)/3 =$ **4.7**

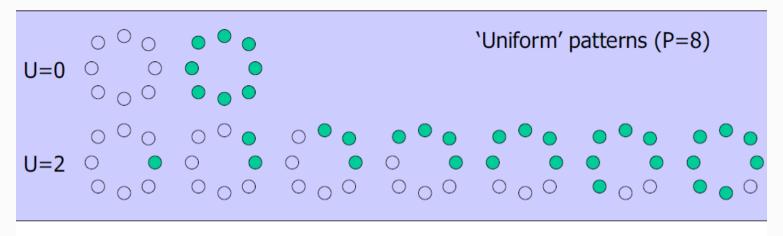
LBP扩展与多尺度表达

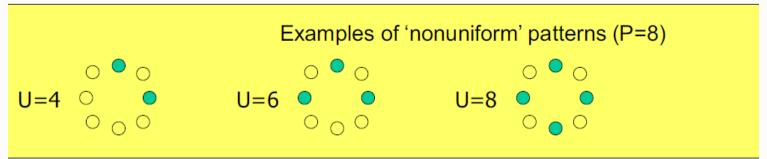






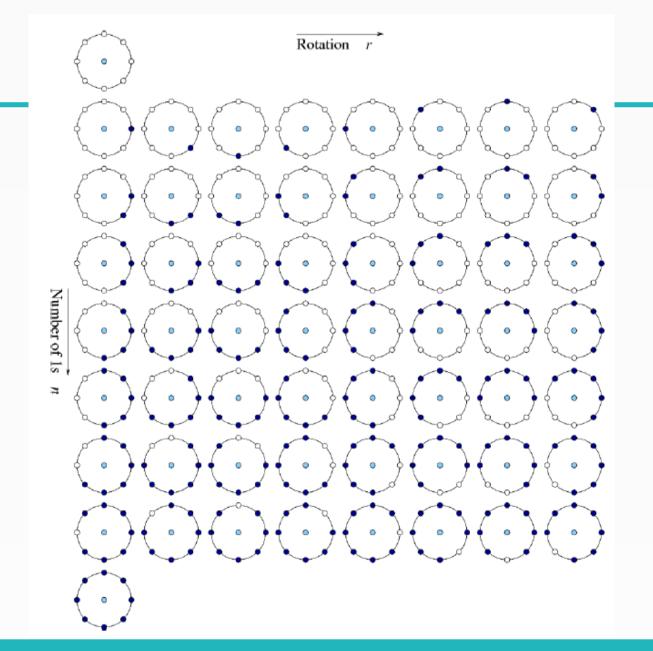
LBP统一模式





LBP统一模式

ULBP = 59 直方图表示 = 59 Bins



代码演示

• LBP特征演示



Thank You!

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