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Online Medical Imaging Platform

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Contents

1	Introduction	1
1.1	Sub Section	1
1.2	Another Sub Section	3

Abstract

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1 Introduction

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1.1 Sub Section

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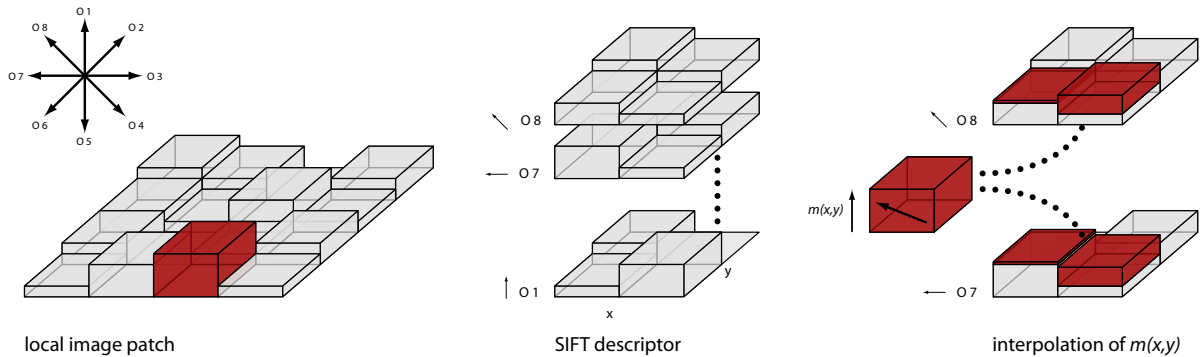


Figure 1: The computation of a SIFT descriptor. The cubes illustrate different gradient magnitudes. In this case eight 2×2 orientation histograms are used as feature vector. The right illustration shows the trilinear interpolation of a sample having a gradient orientation of 292.5° .

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1.2 Another Sub Section

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	#	recall	precision	$F_{0.5}$ -score
normal	913	0.732	0.862	0.792
degraded	142	0.296	0.539	0.382
SETB	198	-	0.712	0.712

Table 1: System’s recall, precision and F -score when normal and degraded characters are considered. The last row shows the character evaluation from Section 1 with degraded characters.

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$$k(x_i, x_j) = e^{-\gamma \|x_i - x_j\|^2} \quad \gamma > 0 \quad (1)$$

where x_i and x_j are feature vectors and γ is a parameter which needs to be determined using cross-validation. The RBF, kernel has the advantage, that solely one parameter needs to be determined while at the same time being flexible enough to handle complex training sets.

Paragraph

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