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# Online Medical Imaging Platform

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# Contents

## Abstract

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# 1 Introduction

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## 1.1 Sub Section

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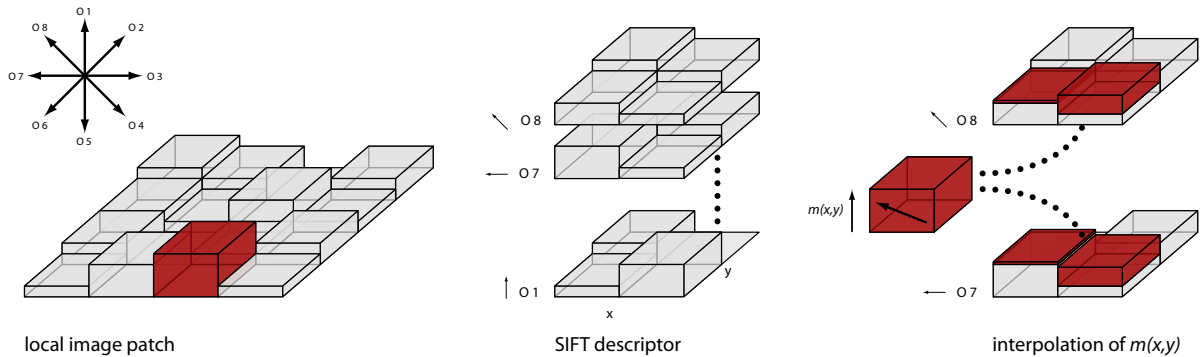


Figure 1: The computation of a SIFT descriptor. The cubes illustrate different gradient magnitudes. In this case eight  $2 \times 2$  orientation histograms are used as feature vector. The right illustration shows the trilinear interpolation of a sample having a gradient orientation of  $292.5^\circ$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

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## 1.2 Another Sub Section

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	#	recall	precision	$F_{0.5}$ -score
<b>normal</b>	913	0.732	0.862	0.792
<b>degraded</b>	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 ?? 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  $\gamma$  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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