



**Instituto Tecnológico y de Estudios Superiores de Monterrey**

**A C T I V I D A D**

**Feature Extraction**

**BI2009B.** Procesamiento de imágenes médicas para el diagnóstico

**Grupo:** 201

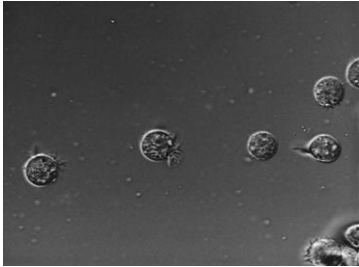
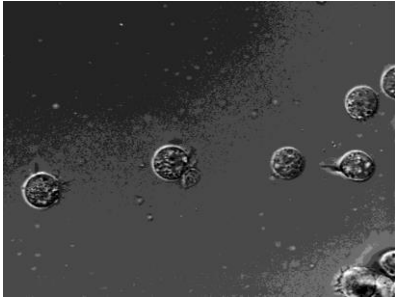
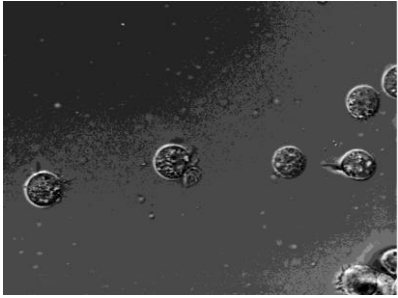
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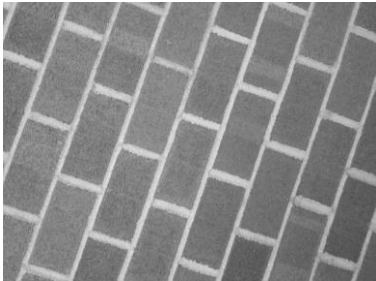
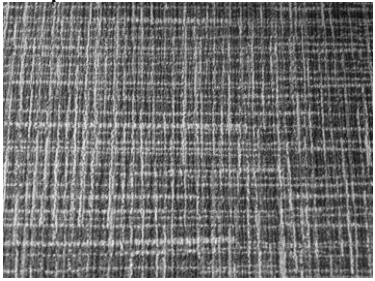
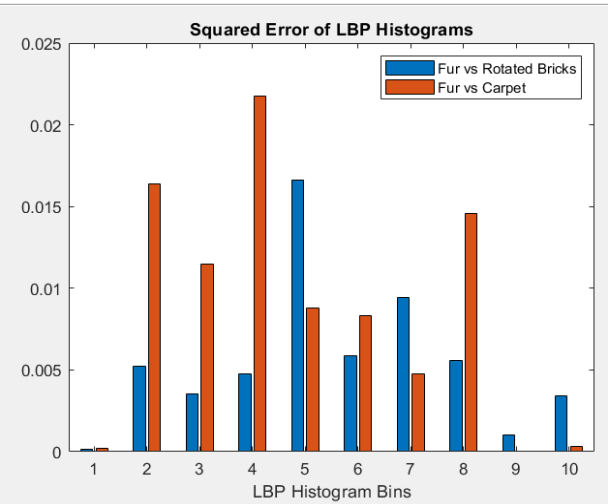
**Profesor:** Dr. Jose Tamez.

## RESULTADOS

### 1º Ejercicio

Imagen original	Después de calcular GLCMs	
	 GLCMs using Four Different Offsets	 GLCM for Grayscale Image

### 2º Ejercicio

Imagen 1	Imagen 2	Imagen 3																																	
<p>Fur:</p> 	<p>Rotated bricks:</p> 	<p>Carpet:</p> 																																	
Histograma de errores																																			
<p>Squared Error of LBP Histograms</p>  <table border="1"> <caption>Squared Error of LBP Histograms Data</caption> <thead> <tr> <th>LBP Histogram Bin</th> <th>Fur vs Rotated Bricks (Blue)</th> <th>Fur vs Carpet (Orange)</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.000</td><td>0.000</td></tr> <tr><td>2</td><td>0.005</td><td>0.016</td></tr> <tr><td>3</td><td>0.003</td><td>0.011</td></tr> <tr><td>4</td><td>0.005</td><td>0.022</td></tr> <tr><td>5</td><td>0.017</td><td>0.009</td></tr> <tr><td>6</td><td>0.006</td><td>0.008</td></tr> <tr><td>7</td><td>0.009</td><td>0.005</td></tr> <tr><td>8</td><td>0.005</td><td>0.014</td></tr> <tr><td>9</td><td>0.001</td><td>0.000</td></tr> <tr><td>10</td><td>0.003</td><td>0.000</td></tr> </tbody> </table>			LBP Histogram Bin	Fur vs Rotated Bricks (Blue)	Fur vs Carpet (Orange)	1	0.000	0.000	2	0.005	0.016	3	0.003	0.011	4	0.005	0.022	5	0.017	0.009	6	0.006	0.008	7	0.009	0.005	8	0.005	0.014	9	0.001	0.000	10	0.003	0.000
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