# Name: Lucas dos Santos Betioli

**Low Pass Filters**

**Question 1**

**- fourier.tif**

Original histogram:

Histogram PI/16:

|  |  |  |
| --- | --- | --- |
|  | average | Standard deviation |
| PI/2 |  |  |
| PI/4 |  |  |
| PI/8 |  |  |
| PI/16. |  |  |

**Question 2**

**- fourier.tif**

Original histogram:

Histogram PI/16:

|  |  |  |
| --- | --- | --- |
|  | average | Standard deviation |
| PI/2 |  |  |
| PI/4 |  |  |
| PI/8 |  |  |
| PI/16. |  |  |

**High-pass filters**

**Question 1**

**- fourier.tif**

Original histogram:

Histogram PI/16:

|  |  |  |
| --- | --- | --- |
|  | Average | Standard deviation |
| PI/2 |  |  |
| PI/4 |  |  |
| PI/8 |  |  |
| PI/16. |  |  |

**Question 2**

**- fourier.tif**

Original histogram:

Histogram PI/16:

|  |  |  |
| --- | --- | --- |
|  | Average | Standard deviation |
| PI/2 |  |  |
| PI/4 |  |  |
| PI/8 |  |  |
| PI/16. |  |  |