**EECS 363: Digital Filtering**

**Lab 2**

**1/18/2017**

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Output Values:

|  |  |  |  |
| --- | --- | --- | --- |
| Frequency (HZ) | V\_out(mV) | V\_in(mV) | db (Value) |
| 10 | 1.715 | 1.722 | -0.0353 |
| 50 | 1.716 | 1.721 | -0.0252 |
| 100 | 1.723 | 1.727 | -0.02014 |
| 200 | 1.722 | 1.726 | -0.02015 |
| 300 | 1.723 | 1.725 | -0.011 |
| 400 | 1.724 | 1.731 | -0.0357 |
| 500 | 1.724 | 1.731 | -0.0351 |
| 600 | 1.724 | 1.7245 | -0.0351 |
| 700 | 1.725 | 1.726 | -0.0025 |
| 800 | 1.722 | 1.723 | -0.00536 |
| 900 | 1.725 | 1.725 | 0 |
| 1k | 1.725 | 1.725 | 0 |
| 3k | 1.726 | 1.725 | 0.00503 |
| 5k | 1.721 | 1.719 | 0.0101 |
| 7k | 1.722 | 1.721 | 0.00504 |
| 9k | 1.723 | 1.718 | 0.02524 |
| 10k | 1.721 | 1.719 | 0.0101 |
| 11k | 1.722 | 1.717 | 0.0252 |
| 12k | 1.72 | 1.719 | 0.005051 |
| 13k | 1.726 | 1.718 | 0.04035 |
| 14k | 1.722 | 1.719 | 0.01512 |
| 15k | 1.721 | 1.715 | 0.03033 |
| 16k | 1.722 | 1.719 | 0.04035 |