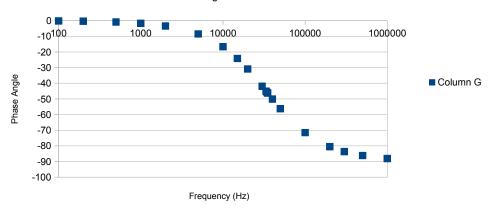
Sheet1

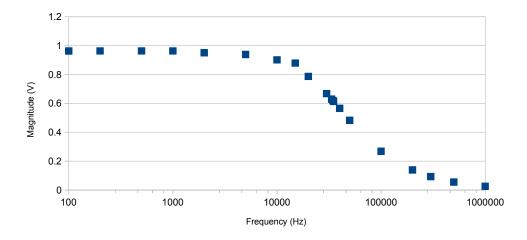
| Magnitude | | | | | | | | |
|---------------|-------------|-----------|----------|-----------|-----------------|---------------|----------------|-----------|
| Frequency(hz) | . , | Vin (RMS) | Vo (RMS) | (Vo/Vin) | wrc | phase angle | Resistor Value | |
| 100 | 628.3185307 | | 0.963 | 1 0.9634 | -0.0029923455 | -0.1714487683 | 10090 | 4.72E-010 |
| 200 | 1256.637061 | | 0.963 | 0.9635 | -0.0059846374 | -0.3428944663 | 10090 | 4.72E-010 |
| 500 | 3141.592654 | | 0.963 | 0.9636 | -0.0149606559 | -0.8571824424 | 10090 | 4.72E-010 |
| 1000 | 6283.185307 | | 0.963 | 0.9636 | -0.0299146178 | -1.713981345 | 10090 | 4.72E-010 |
| 2000 | 12566.37061 | | 0.9508 | 0.95086 | -0.059775791 | -3.424900539 | 10090 | 4.72E-010 |
| 5000 | 31415.92654 | | 0.9393 | 0.93936 | -0.1485160605 | -8.509343454 | 10090 | 4.72E-010 |
| 10000 | 62831.85307 | | 0.901 | 7 0.9017 | -0.2907552191 | -16.65904693 | 10090 | 4.72E-010 |
| 15000 | 94247.77961 | | 0.8794 | 0.87948 | 3 -0.4218998084 | -24.1730784 | 10090 | 4.72E-010 |
| 20000 | 125663.7061 | | 0.7871 | 0.78715 | -0.5392943941 | -30.8992927 | 10090 | 4.72E-010 |
| 30000 | 188495.5592 | | 0.66 | 0.668 | -0.731546435 | -41.91452325 | 10090 | 4.72E-010 |
| 33500 | 210486.7078 | | 0.629693 | 0.629693 | -0.7866160458 | -45.06977952 | 10090 | 4.72E-010 |
| 34500 | 216769.8931 | | 0.61915 | 0.619157 | -0.8013202979 | -45.91227111 | 10090 | 4.72E-010 |
| 35000 | 219911.4858 | | 0.61 | 4 0.614 | -0.8085091246 | -46.32416054 | 10090 | 4.72E-010 |
| 40000 | 251327.4123 | | 0.565 | 0.5655 | -0.8748027922 | -50.1225079 | 10090 | 4.72E-010 |
| 50000 | 314159.2654 | | 0.4823 | 0.48231 | -0.9816154042 | -56.24241977 | 10090 | 4.72E-010 |
| 100000 | 628318.5307 | | 0.26843 | 0.268431 | -1.248279458 | -71.52114462 | 10090 | 4.72E-010 |
| 200000 | 1256637.061 | | 0.138 | 0.1388 | -1.405233348 | -80.51394009 | 10090 | 4.72E-010 |
| 300000 | 1884955.592 | | 0.0928 | 7 0.09287 | -1.459858684 | -83.64374127 | 10090 | 4.72E-010 |
| 500000 | 3141592.654 | | 0.0550 | 0.05508 | -1.504058583 | -86.17620895 | 10090 | 4.72E-010 |
| 1000000 | 6283185.307 | | 0.02612 | 0.026126 | -1.537390258 | -88.08597324 | 10090 | 4.72E-010 |

Frequency vs Phase Angle

Logarithmic Scale



Frequency vs Magnitude Logarithmic Scale



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