

C:\workspace\eclipsePC\square\Release>square.exe 49

--- square v1.2 2018.06.28. (BN) ---
A finite Fourier series of a square/triangle signal.
square wave: $x(t) = (4/\pi)\sum((1/(2k-1))\sin(2\pi(2k-1)ft))$, $k = 1..inf.$
Usage: square.exe [N_MaxOrder] [output.txt] [log] - order

Harmonics = 49, U = 0.5 V, R = 50 ohm, P_fundEff = 3.98 dBm
P_harm = (-6.02, -9.54, -12.04, -13.98, -15.56, -16.90) dBc

RMS P_fund = 2.50000 mW = 3.979 dBm

P_1357.. = 3.05925 mW . 0.877 dB
P_1246.. = 3.50258 mW . 1.464 dB
P_all = 4.06183 mW . 2.108 dB

Umax P_1357.. = 2.14333 mW . -0.669 dB
P_1246.. = 3.24075 mW . 1.127 dB
P_all = 8.28206 mW . 5.202 dB

Pmax P_1357.. = 3.05921 mW . 0.877 dB
P_1246.. = 2.74795 mW . 0.411 dB
P_all = 3.05925 mW . 0.877 dB

C:\workspace\eclipsePC\square\Release>

C:\workspace\eclipsePC\square\Release>square.exe 3

--- square v1.2 2018.06.28. (BN) ---
A finite Fourier series of a square/triangle signal.
square wave: $x(t) = (4/\pi)\sum((1/(2k-1))\sin(2\pi(2k-1)ft))$, $k = 1..inf.$
Usage: square.exe [N_MaxOrder] [output.txt] [log] - order

Harmonics = 3, U = 0.5 V, R = 50 ohm, P_fundEff = 3.98 dBm
P_harm = (-6.02, -9.54, -12.04, -13.98, -15.56, -16.90) dBc

RMS P_fund = 2.50000 mW = 3.979 dBm

P_1357.. = 2.77778 mW . 0.458 dB
P_1246.. = 3.12500 mW . 0.969 dB
P_all = 3.40278 mW . 1.339 dB

Umax P_1357.. = 2.22222 mW . -0.512 dB
P_1246.. = 4.21874 mW . 2.272 dB
P_all = 5.20423 mW . 3.184 dB

Pmax P_1357.. = 2.77777 mW . 0.458 dB
P_1246.. = 2.50000 mW . -0.000 dB
P_all = 2.77778 mW . 0.458 dB

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