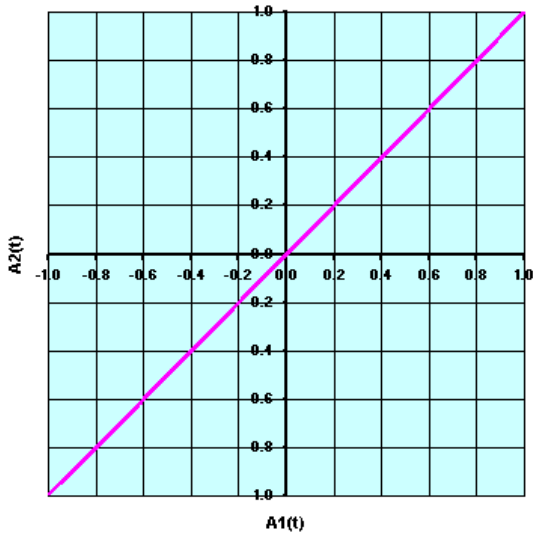


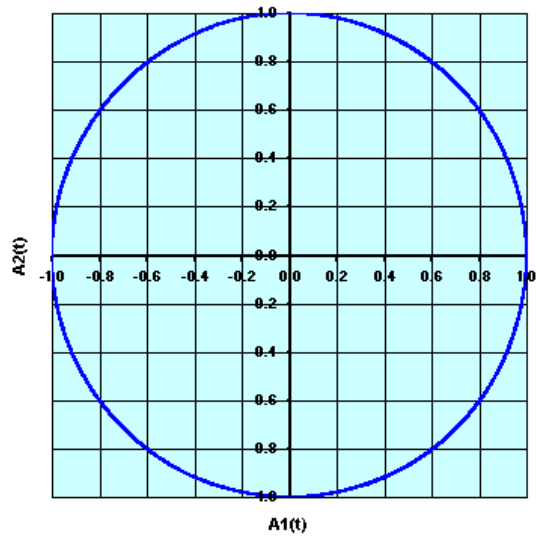
Examples of Consonance

Frequency Ratio 1:1

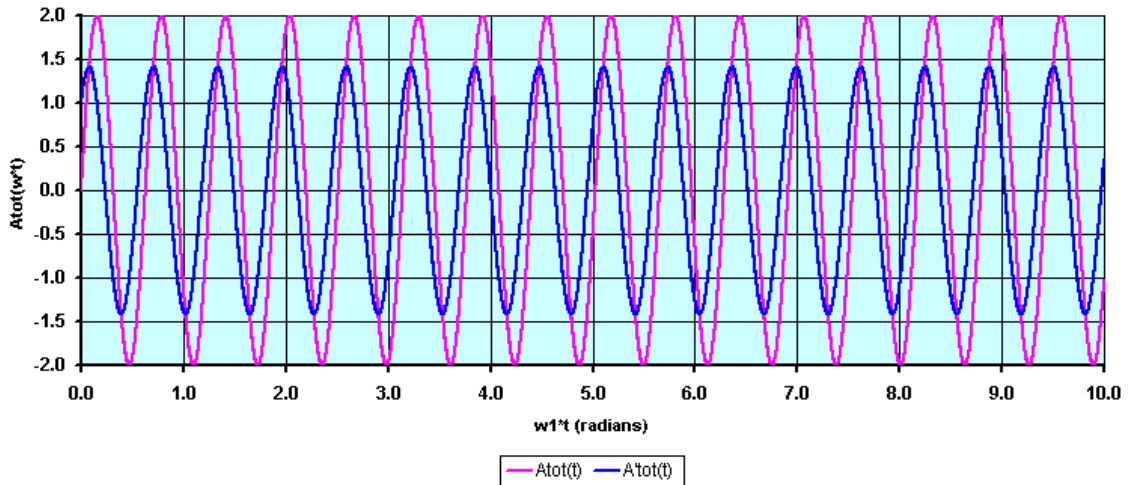
$A_2(t) = A_{20} \sin(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0$, $f_2/f_1 = 1/1 = 1.000000$



$A_2(t) = A_{20} \cos(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0$, $f_2/f_1 = 1/1 = 1.000000$

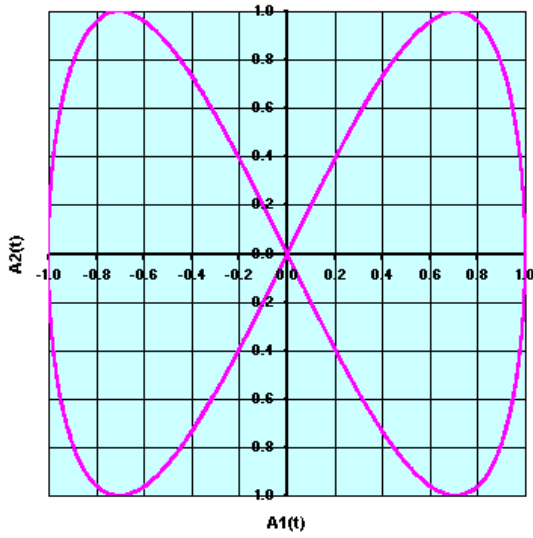


$A_{tot}(t) = A_1(w_1 t) + A_2(w_2 t)$ vs. $(w_1 t)$
 $A_{20} = A_{10} = 1.0$, $f_2/f_1 = 1/1 = 1.000000$

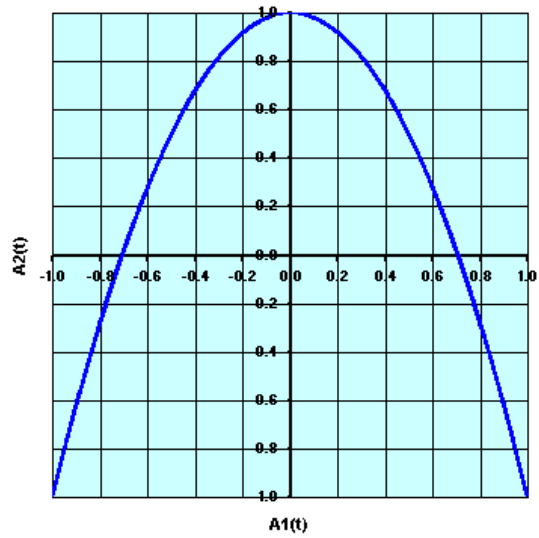


Frequency Ratio 2:1

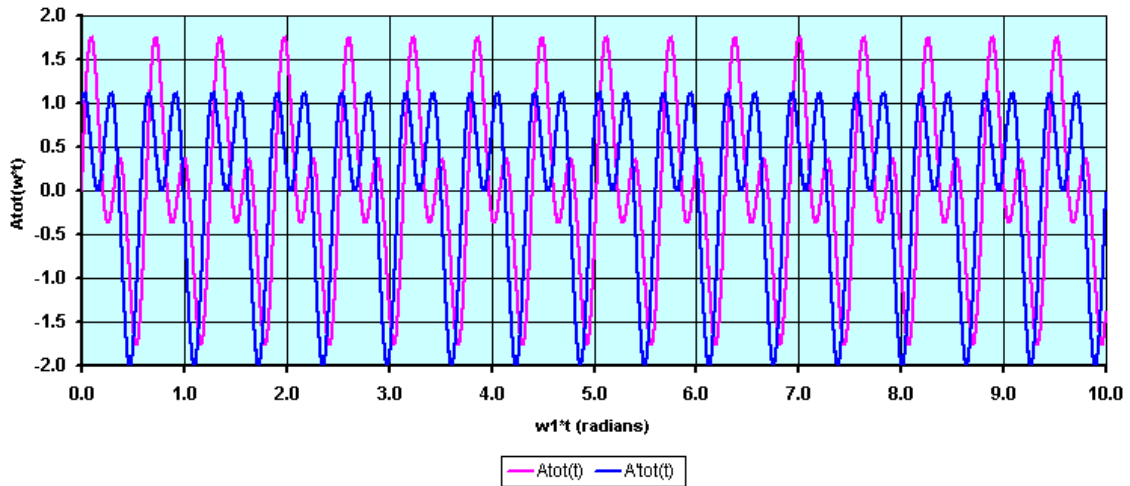
$A_2(t) = A_{20} \sin(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 2/1 = 2.0000000$



$A_2(t) = A_{20} \cos(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 2/1 = 2.0000000$

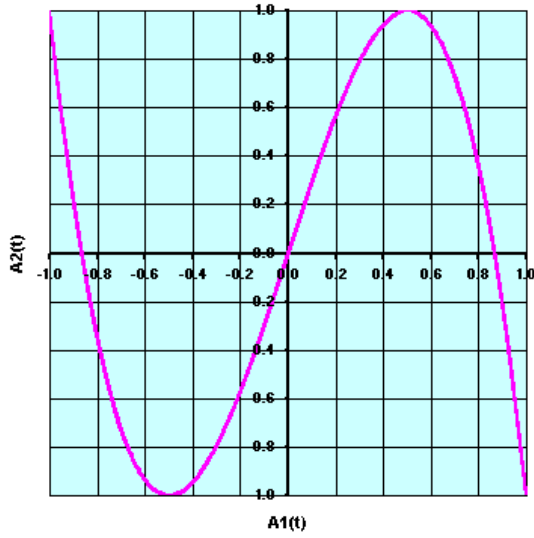


$A_{tot}(t) = A_1(w_1 t) + A_2(w_2 t)$ vs. $(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 2/1 = 2.0000000$

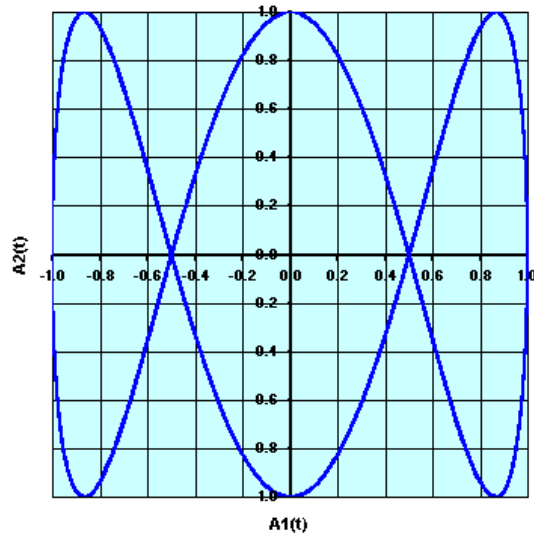


Frequency Ratio 3:1

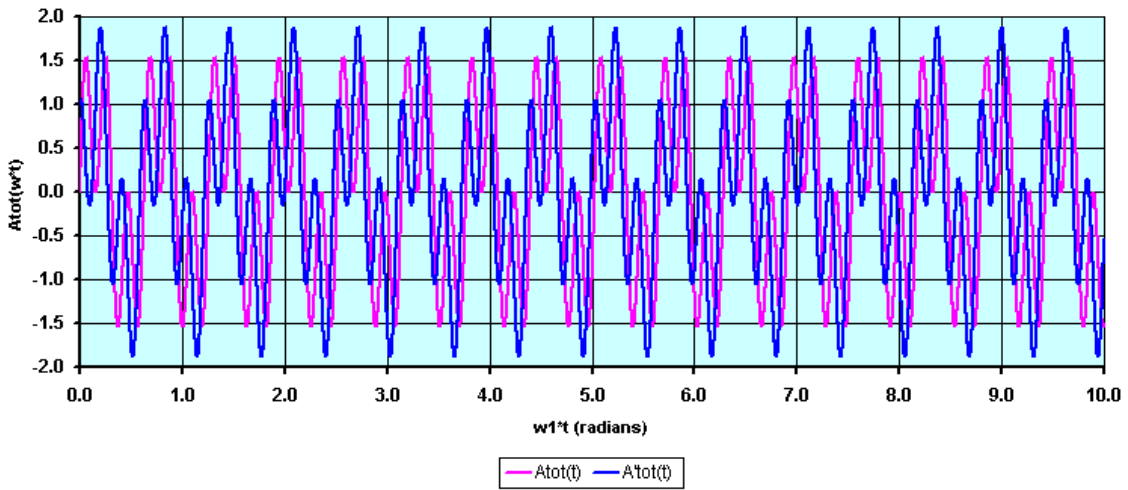
$A_2(t) = A_{20} \sin(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 3/1 = 3.0000000$



$A_2(t) = A_{20} \cos(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 3/1 = 3.0000000$

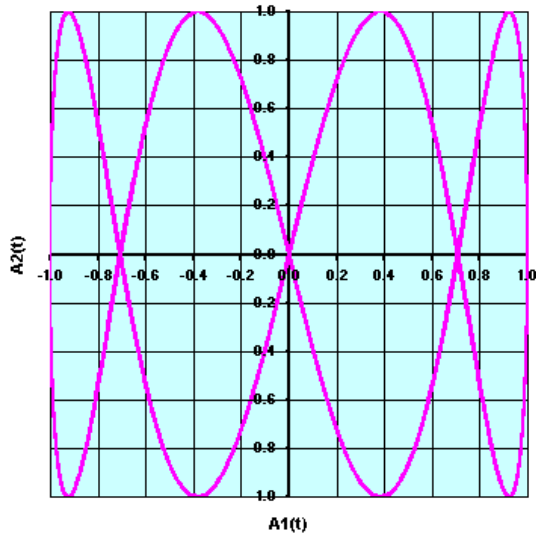


$A_{tot}(t) = A_1(w_1 t) + A_2(w_2 t)$ vs. $(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 3/1 = 3.0000000$

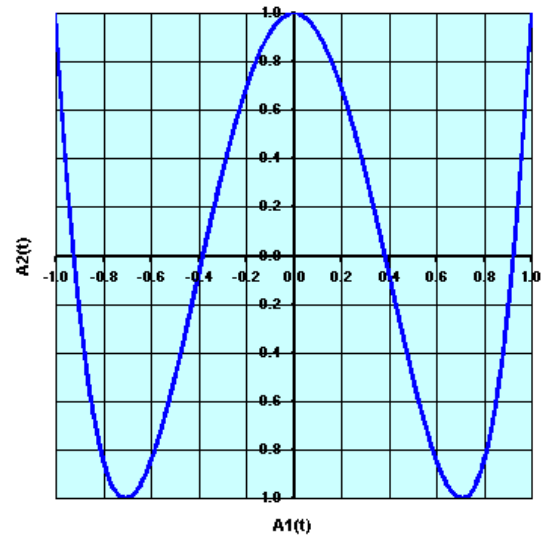


Frequency Ratio 4:1

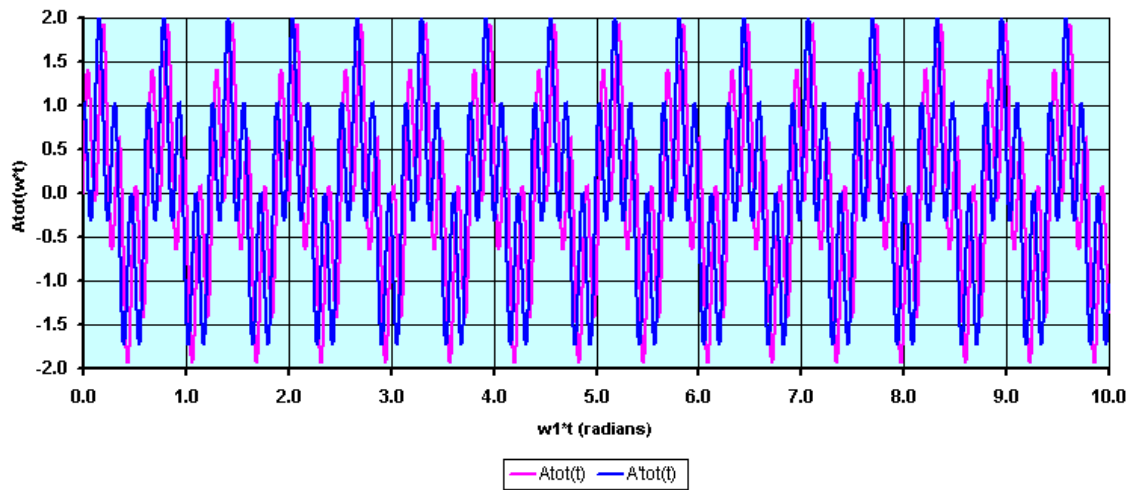
$A_2(t) = A_{20} \sin(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 4/1 = 4.0000000$



$A_2(t) = A_{20} \cos(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 4/1 = 4.0000000$

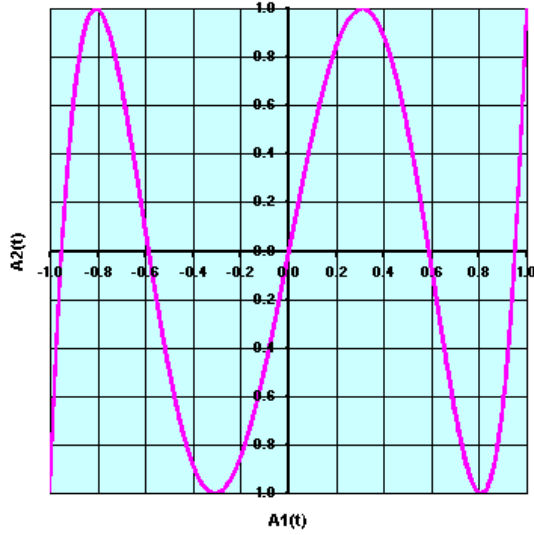


$A_{tot}(t) = A_1(w_1 t) + A_2(w_2 t)$ vs. $(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 4/1 = 4.0000000$

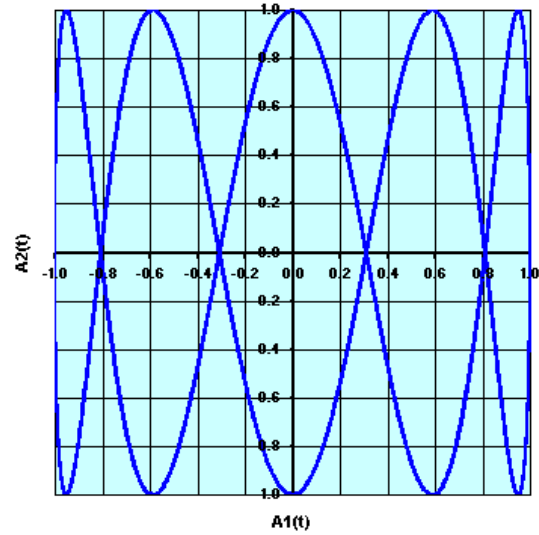


Frequency Ratio 5:1

$A_2(t) = A_{20} \sin(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 5/1 = 5.0000000$



$A_2(t) = A_{20} \cos(w_2 t)$ vs. $A_1(t) = A_{10} \sin(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 5/1 = 5.0000000$



$A_{tot}(t) = A_1(w_1 t) + A_2(w_2 t)$ vs. $(w_1 t)$
 $A_{20} = A_{10} = 1.0, f_2/f_1 = 5/1 = 5.0000000$

