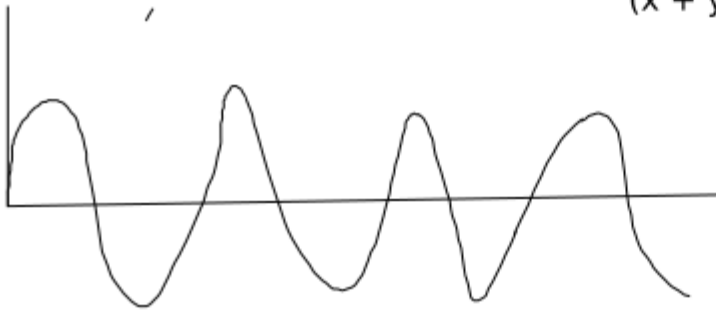


$$\cos(x) \cdot \cos(x) =$$

$$(\cos(2x) + 1)/2$$

$$(x + y) \cdot (x + y) = x^2 + y^2 + 2xy$$



$$\cos(a) \cdot \cos(b) =$$

$$(\cos(a+b) + \cos(a-b))/2$$

$$\cos(f \cdot t) \cdot \cos(g \cdot t) =$$

$$(\cos((f+g)t) + \cos((f-g)t))/2$$



$$\cos(a+b) = \cos(a) \cdot \cos(b)$$

$$- \sin(a) \cdot \sin(b)$$

$$(\cos(a) + i \cdot \sin(a)) \cdot (\cos(b) + i \cdot \sin(b))$$

$$= \cos(a) \cdot \cos(b) - \sin(a) \cdot \sin(b) + i \cdot (...)$$

imaginary

i

$\cos(a) + i \cdot \sin(a)$

