

$$G(x, y, t) = A(t)e^{\left(-\frac{x^2+y^2}{2\sigma(t)^2}\right)}$$

$E(x, y)$

$G(x, y, t)$

Amplitude

0  
-0.2  
-0.4  
-0.6  
-0.8  
-1

X

-0.8 -0.6 -0.4 0.4 0.6 0.8

-1 0.6 0.8 1 -1 -0.8 -0.6 -0.4 0.2 0.4 0.6 Y

$A(t) = \sin(\omega t)$

-1  
-0.9  
-0.8  
-0.7  
-0.6  
-0.5  
-0.4  
-0.3  
-0.2  
-0.1