





Convoluti	on example	Convolution theorem
the overlappi with g(ξ) → Putting the g	(f * g)(x) at a given x is ng area of f and g $g(-\xi)$. raphs on the previous r, (f * g)(x) is:	 If 𝔅(f) is the Fourier Transform of f and 𝔅(g) that of g, then: 𝔅(f * g) = 𝔅(f)𝔅(g). Using the inverse Fourier Transform, we can write: f * g = 𝔅⁻¹(𝔅(f)𝔅(g)).
10	onvolution of f and g	
0.6		
0.4		
0.0 -6 -4 -		7