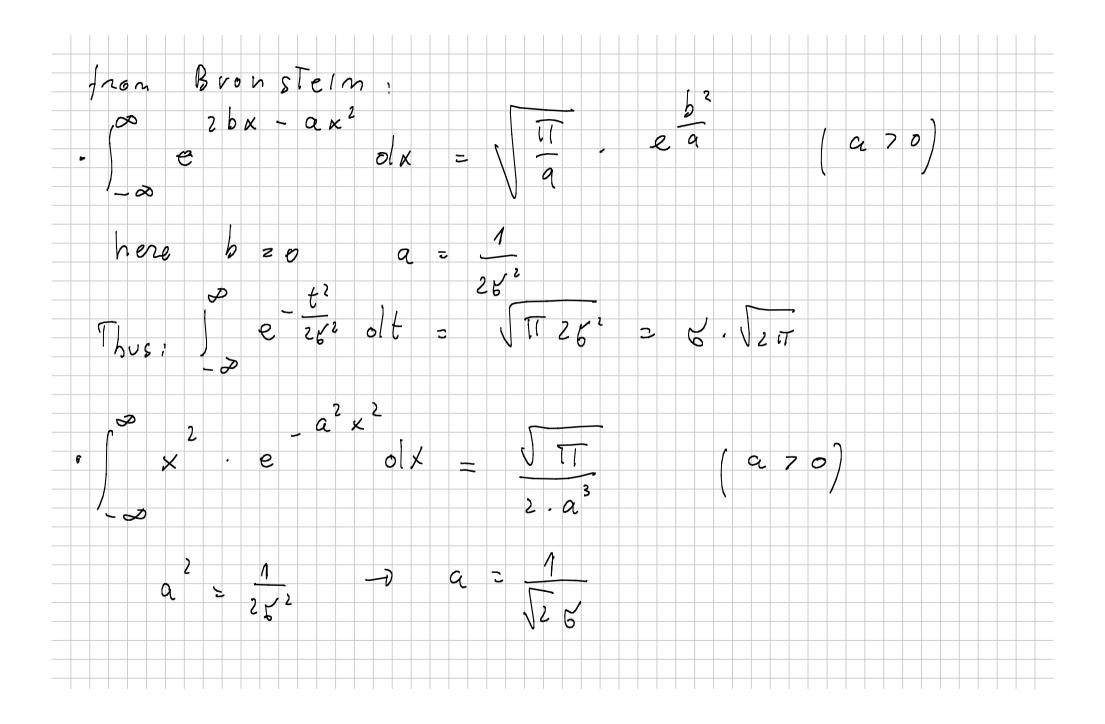
TUTORIAL 03

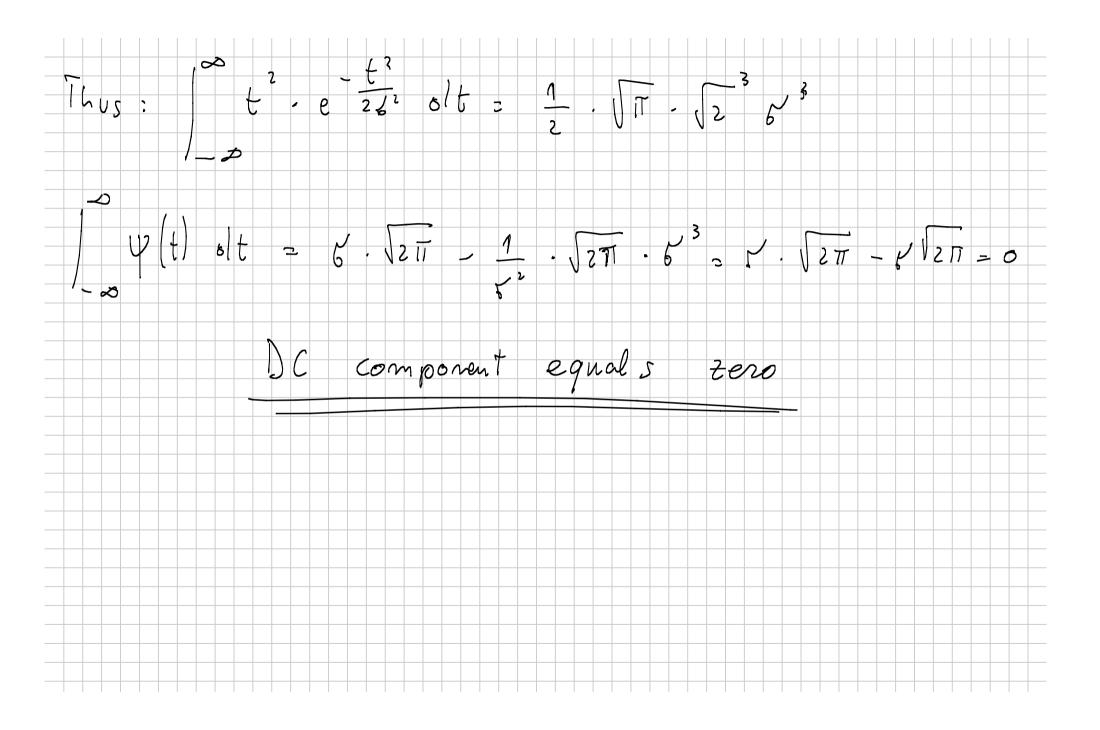
23.05.2014

Preprocessing
- time - frequency transformation

- Wavelet Transformation

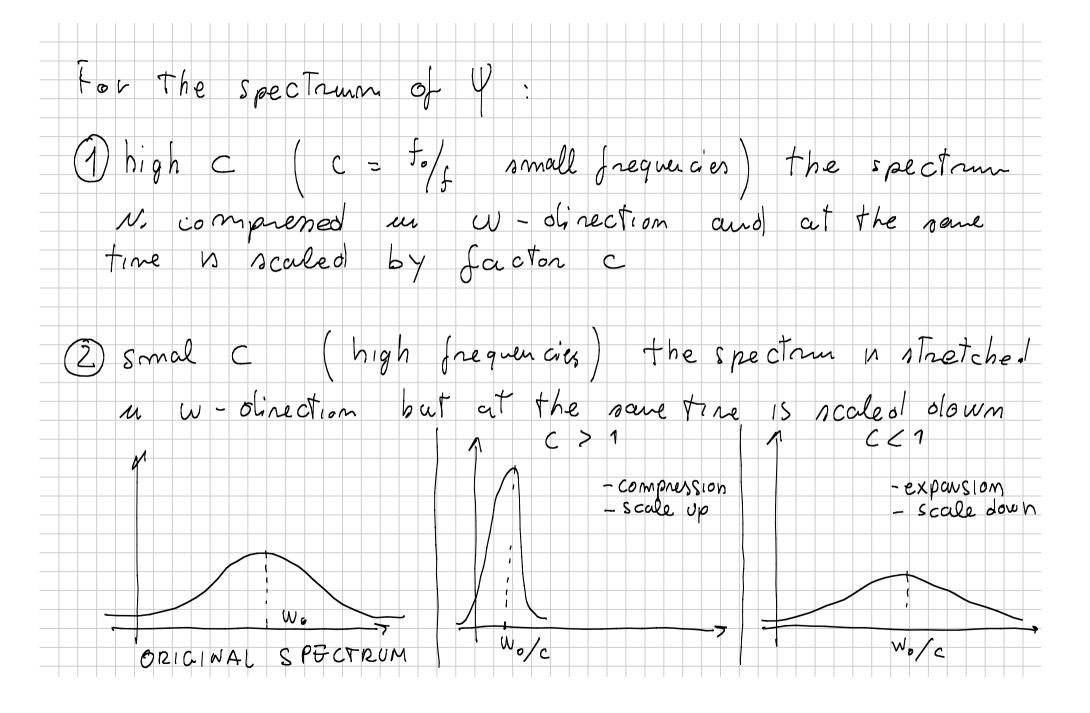
EXERCISE Mexican-Hat-Wavelet Eg 2. 29) 2.62 £ 3 Ø component equals Zero t 2 ∞ olt -2 -25 0



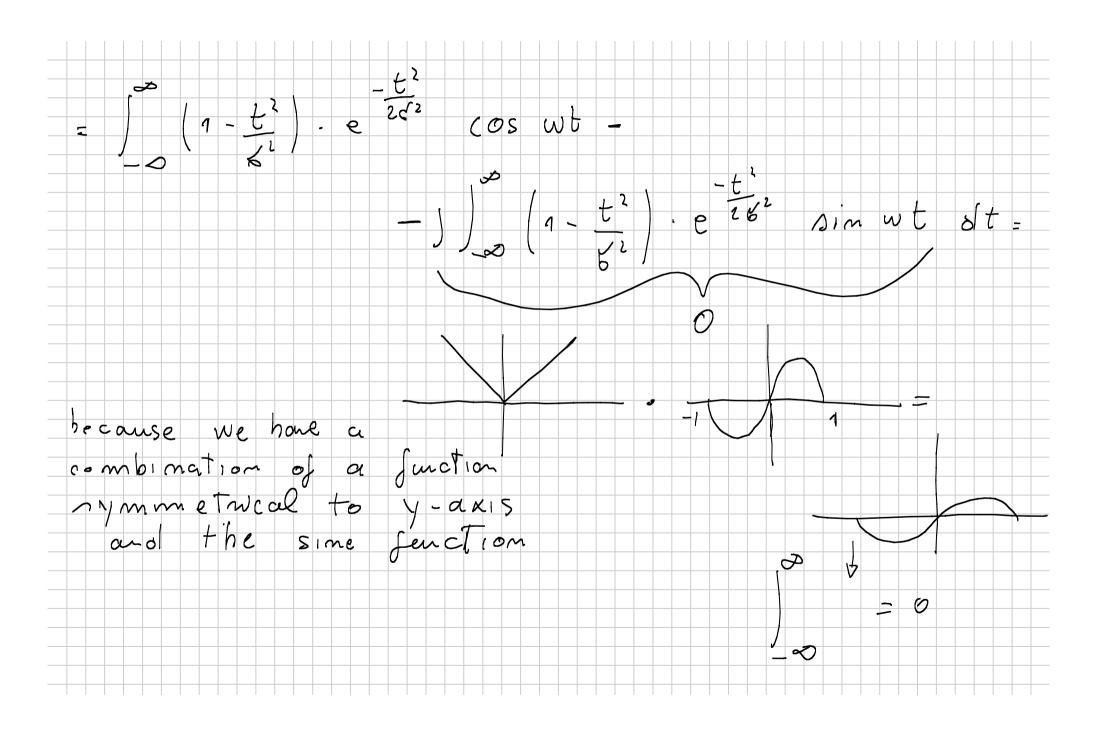


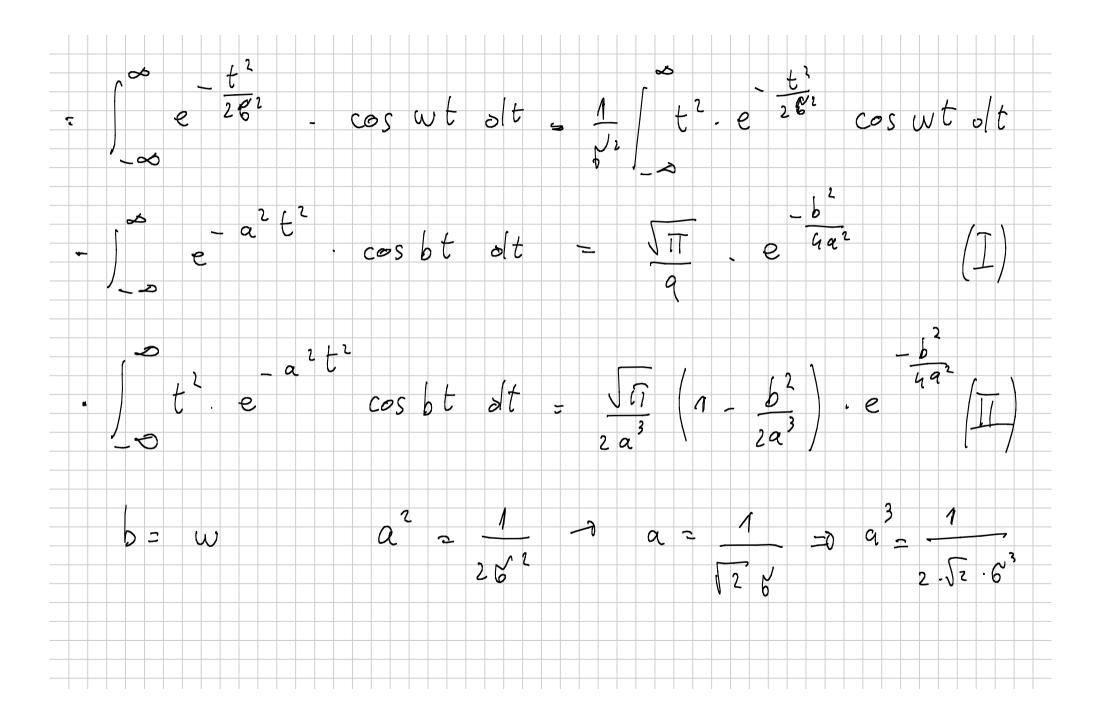
EXERCISE Wavelet Transformation S Ψ olt 1 00 Fourier RANSFORMATION 2-14 Jut W - Jwt حک olt 1200 W 2

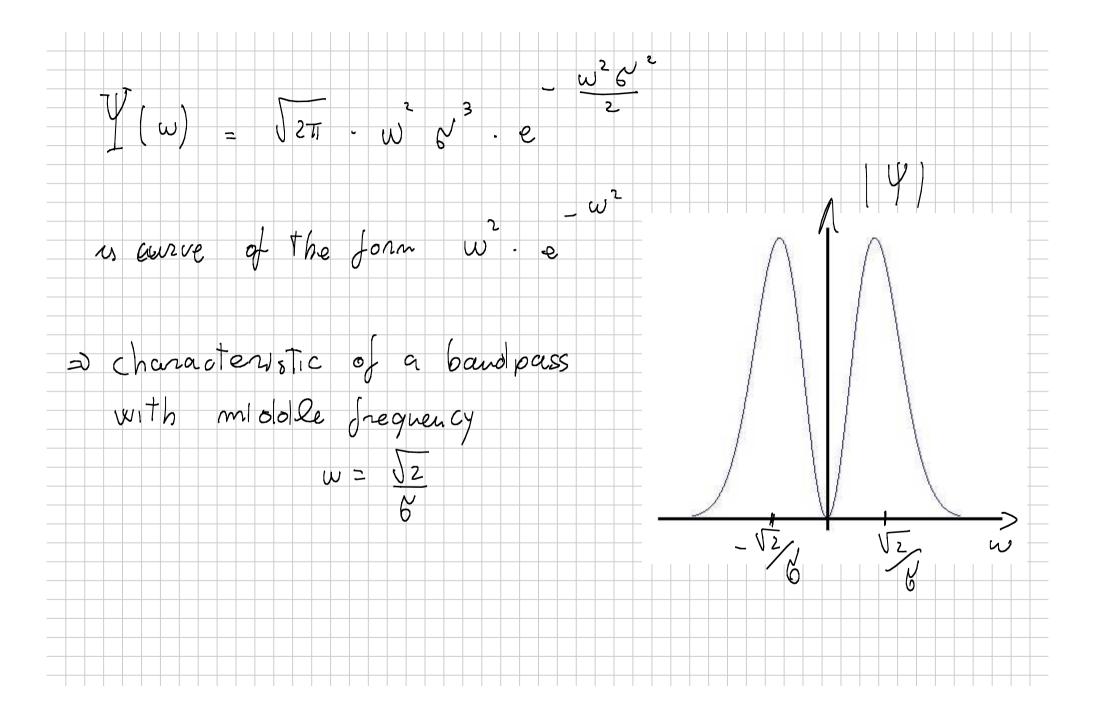
 $\frac{dx}{dt}$ Substitution olt = Хс =0 - Jwcx ∞ $\Psi(x)$ ihus: W OK e = \sim W 2 C, W -) W Ł Ψ (K) OLK = ーる \sim Ψ(x) Ł C W Now $\tilde{\omega}$ W W/ C =

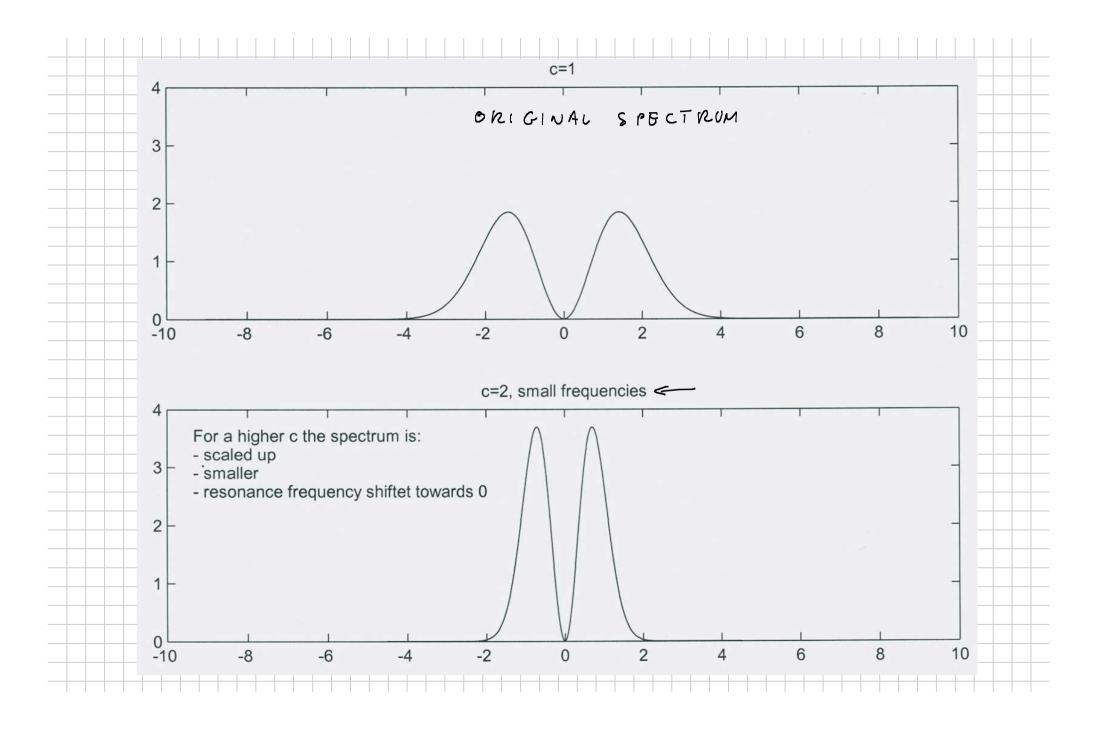


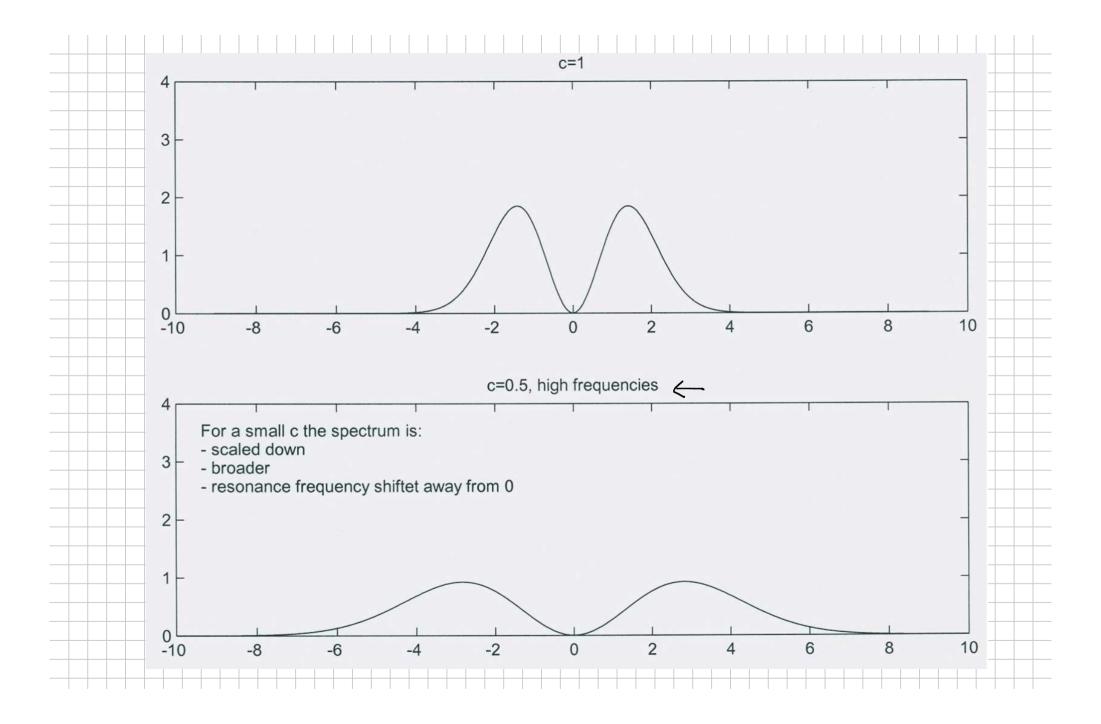
EXERCISE 9 Wovelef Mexican 2.29 Transformation Fourier jwt SIt -Jwt











EXERCISE 10 _ Mat - Wowelet Mexica 2,29 Transformation Warelet 2.28 (-) Ol $-\infty$

