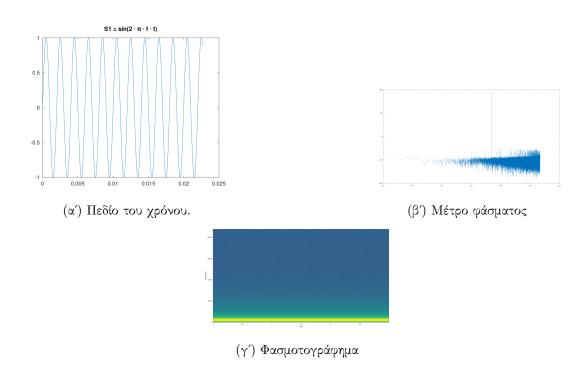
Ψηφιακή Τεχνολογία Ήχου - Εισαγωγική Εργασία

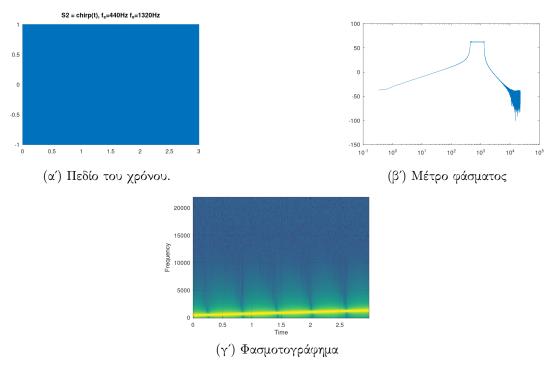
Ευάγγελος Λάμπρου UP1066519

31 Μαρτίου 2022

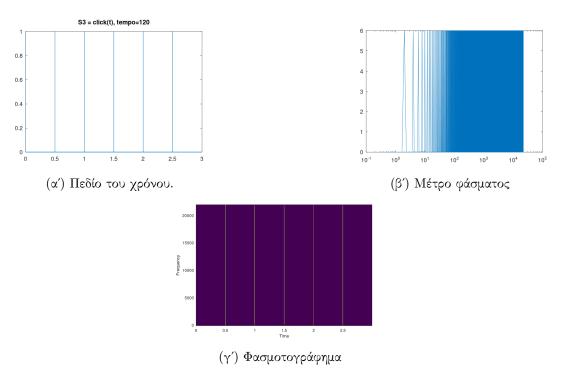
1 Σκέλος Α1



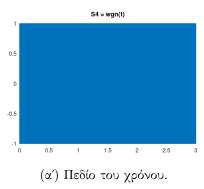
Σχήμα 1.1: $S_1 = sin(2\pi f t)$, f = 500Hz

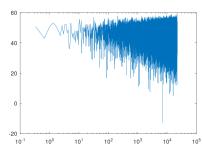


Σχήμα 1.2: $S_2 = sweep(t), f_s = 440Hz, f_e = 1320Hz$

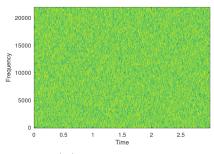


Σχήμα 1.3: $S_2 = click(t)$, BPM = 2







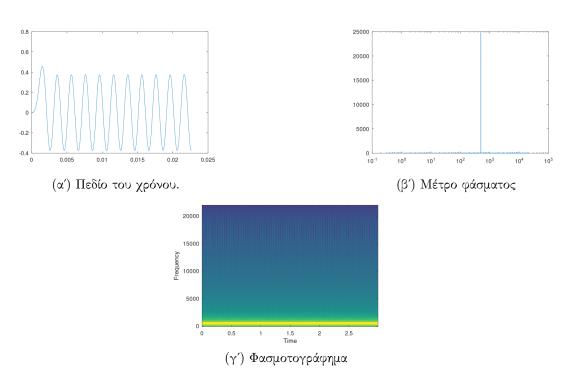


(γ΄) Φασμοτογράφημα

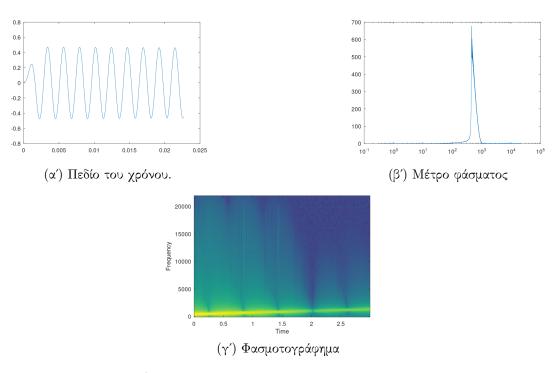
 Σ χήμα 1.4: $S_3 = wgn(t)$

2 Σκέλος Α2

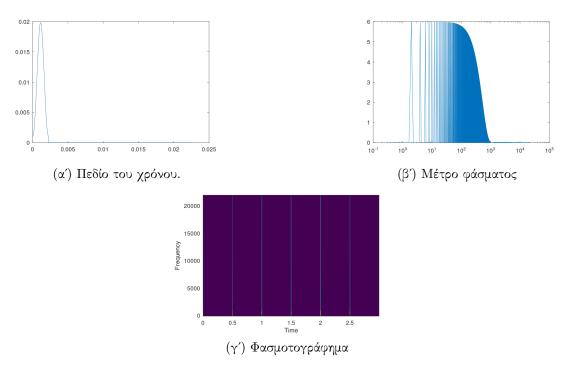
2.1 Low Pass Filter



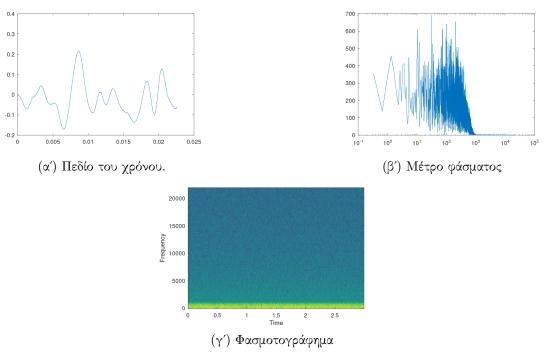
Σχήμα 2.1: $S_1 = sin(2\pi ft), f = 500Hz$



Σχήμα 2.2: $S_2 = sweep(t), f_s = 440Hz, f_e = 1320Hz$

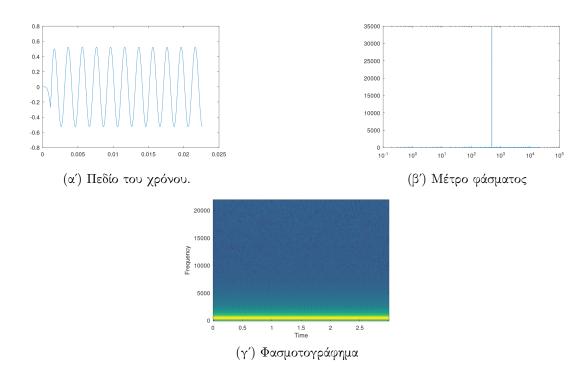


Σχήμα 2.3: $S_2 = click(t), BPM = 2$

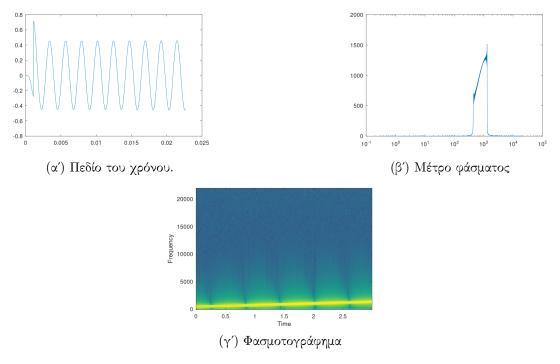


Σχήμα 2.4: $S_3 = wgn(t)$

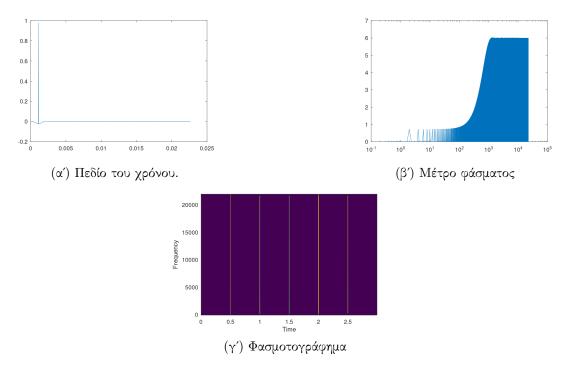
2.2 High Pass Filter



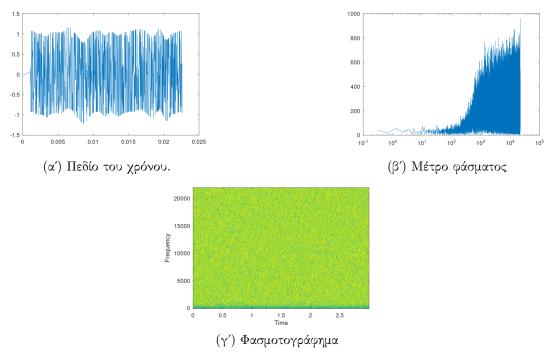
Σχήμα 2.5: $S_1 = sin(2\pi ft), f = 500Hz$



Σχήμα 2.6: $S_2 = sweep(t), f_s = 440Hz, f_e = 1320Hz$

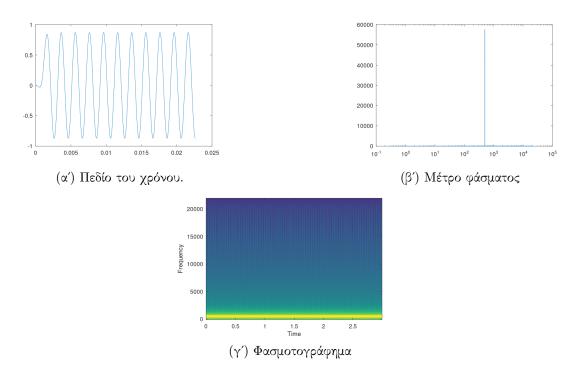


Σχήμα 2.7: $S_2 = click(t)$, BPM = 2

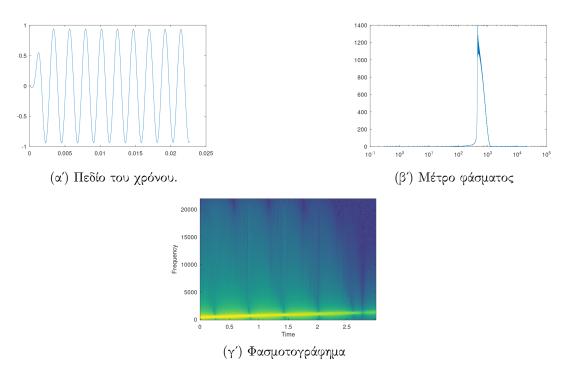


 Σ χήμα 2.8: $S_3 = wgn(t)$

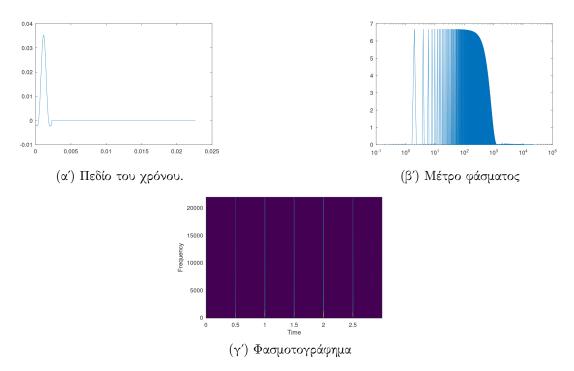
2.3 Band Pass Filter



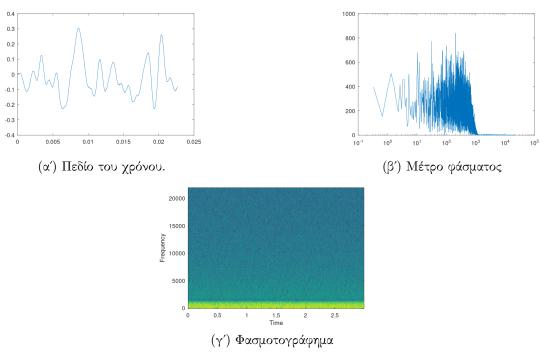
Σχήμα 2.9: $S_1 = sin(2\pi ft), f = 500Hz$



Σχήμα 2.10: $S_2 = sweep(t), f_s = 440Hz, f_e = 1320Hz$



Σχήμα 2.11: $S_2 = click(t)$, BPM = 2



 Σ χήμα 2.12: $S_3 = wgn(t)$