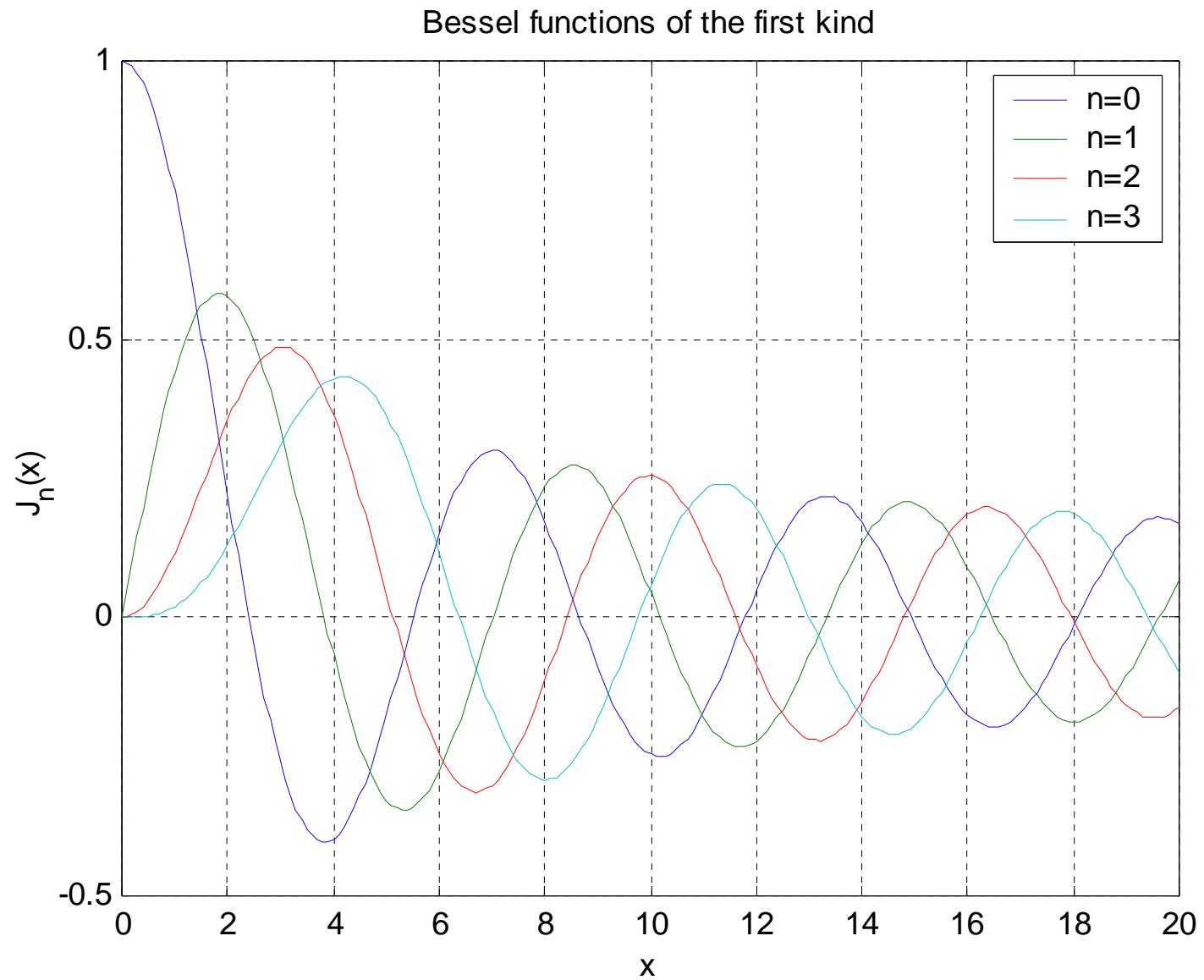


13.811

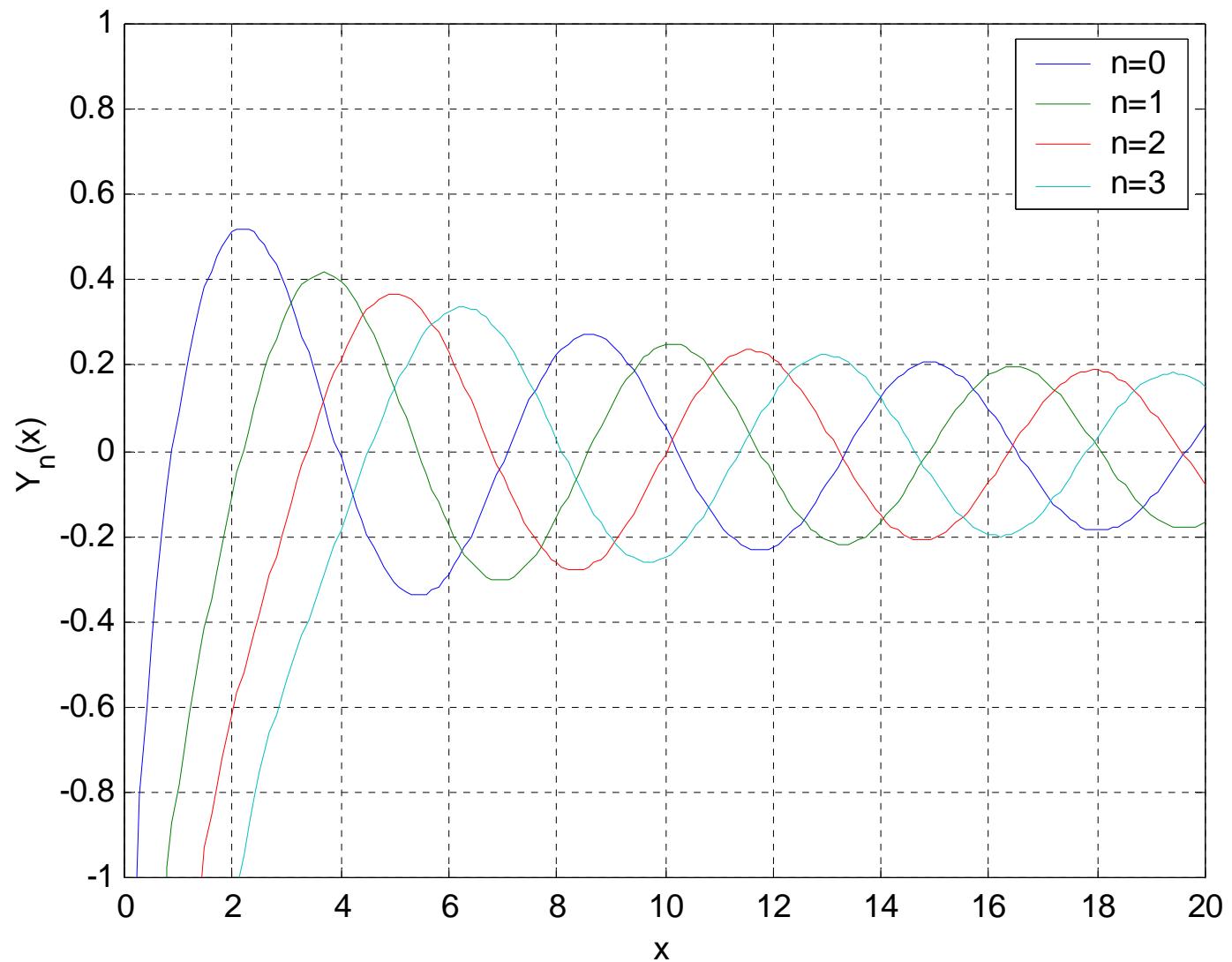
Advanced Structural Dynamics and Acoustics

Acoustics
Lecture 10

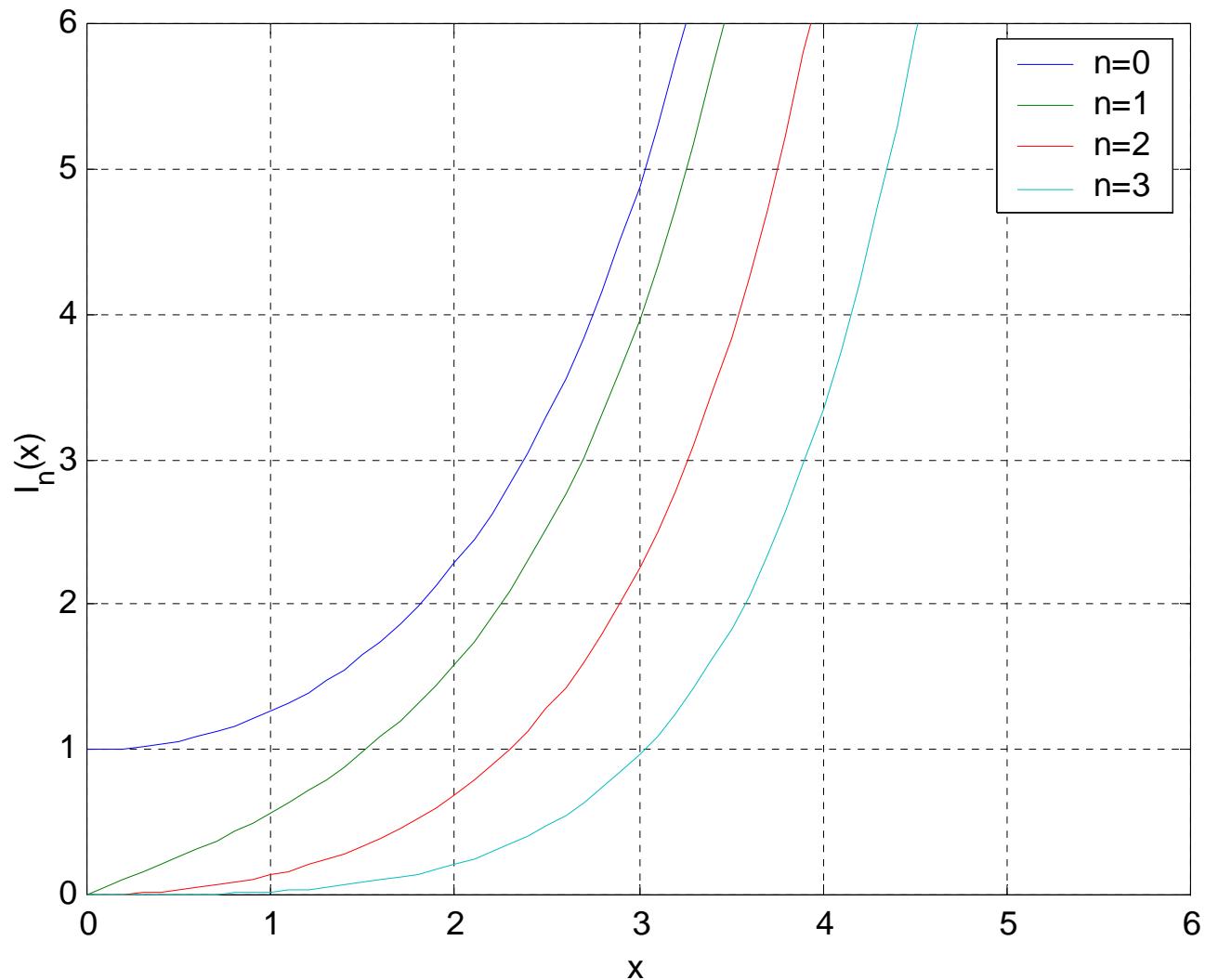
Bessel Functions of the First Kind – $J_n(x)$



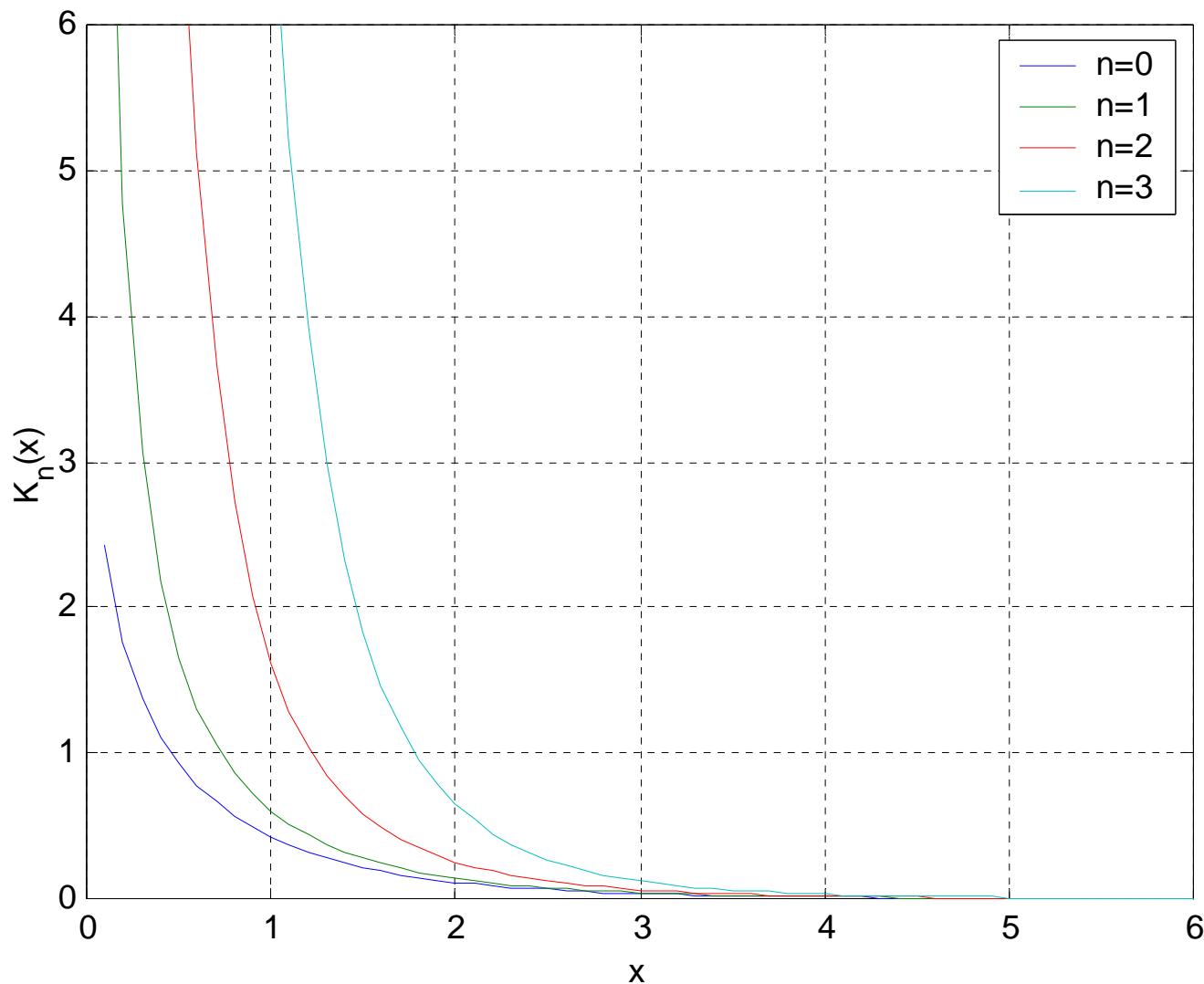
Bessel Functions of the Second Kind – $Y_n(x)$



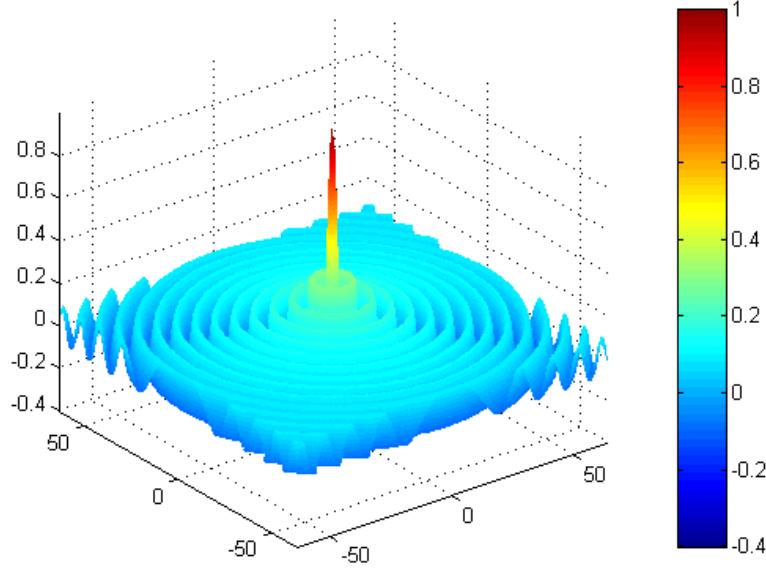
Modified Bessel Functions of the First Kind – $I_n(x)$



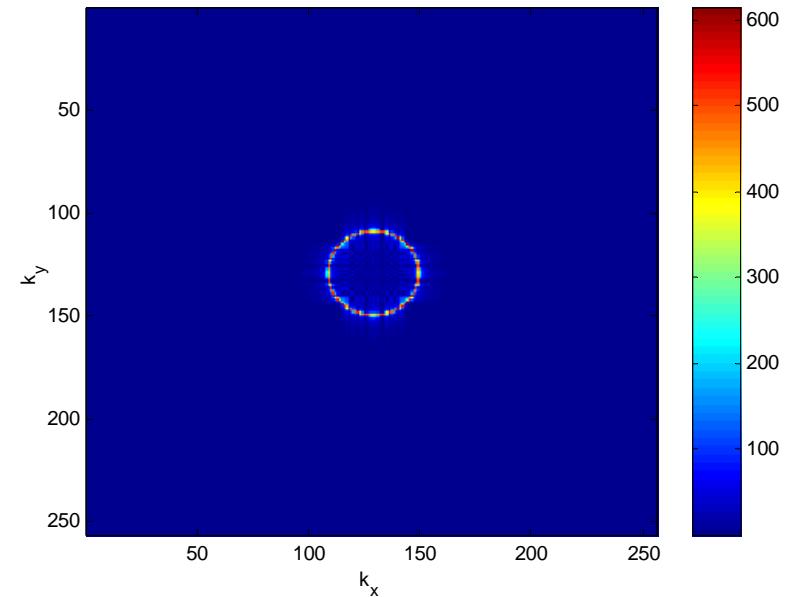
Modified Bessel Functions of the Second Kind – $K_n(x)$



Bessel Function J_0 in Spatial and Frequency Domains

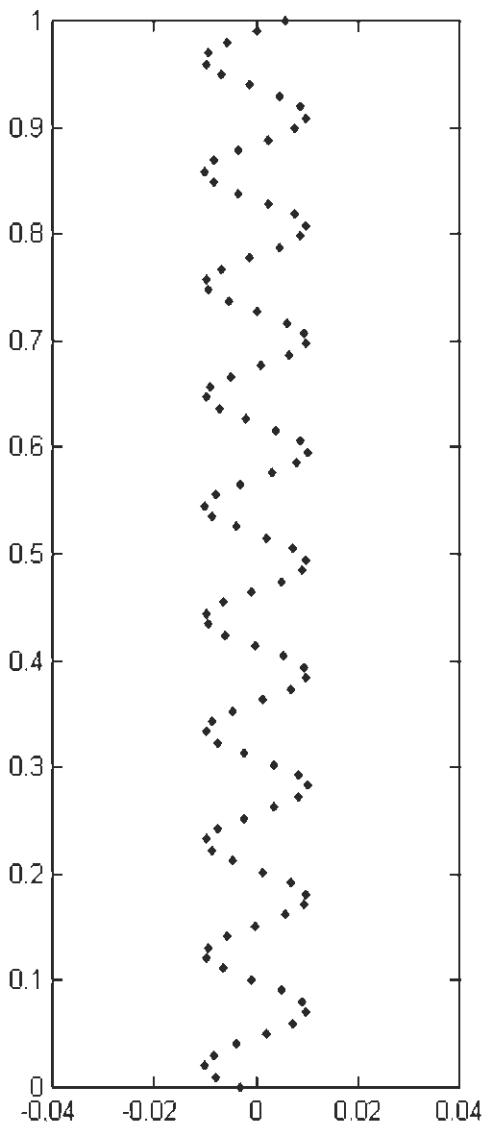
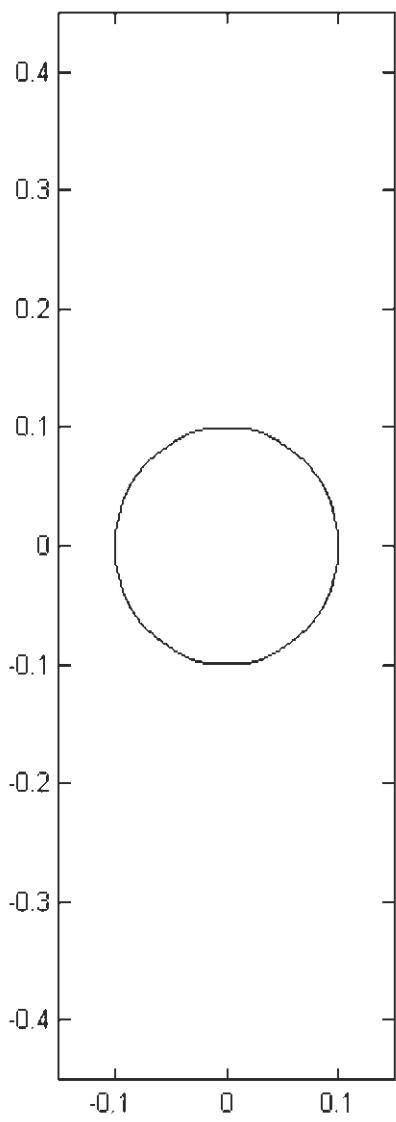
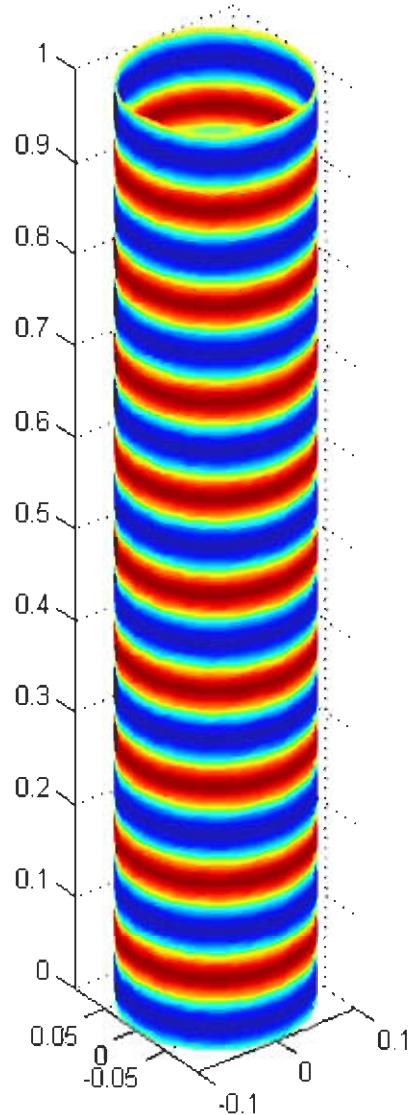


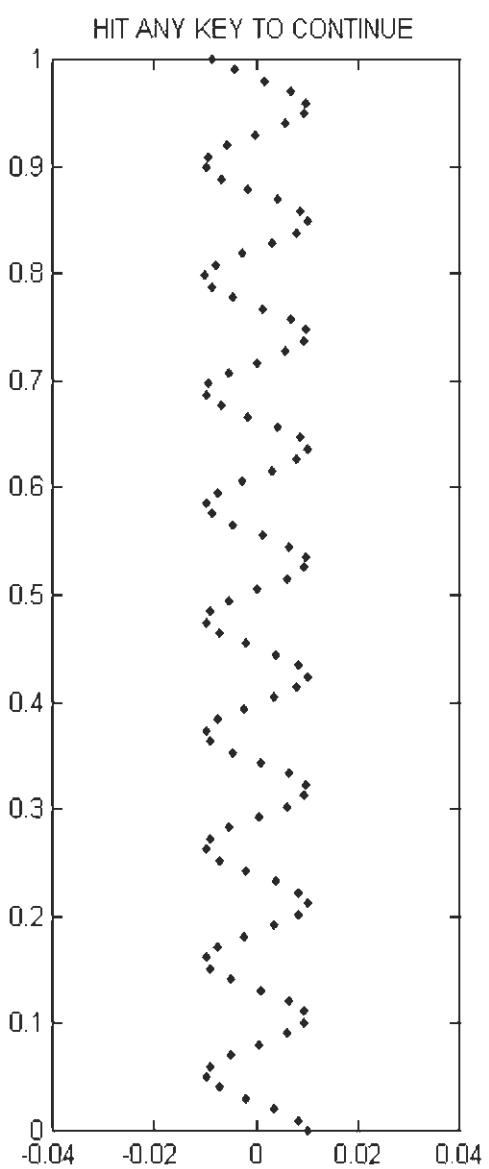
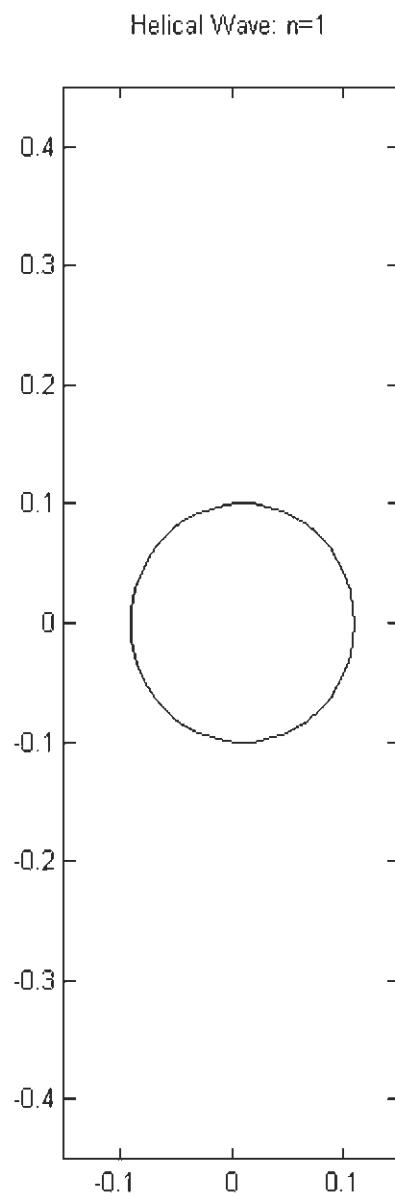
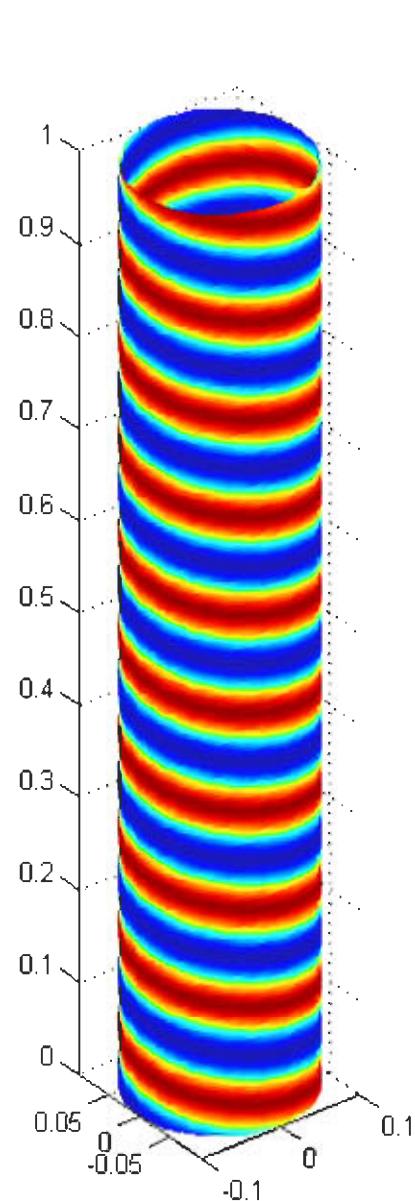
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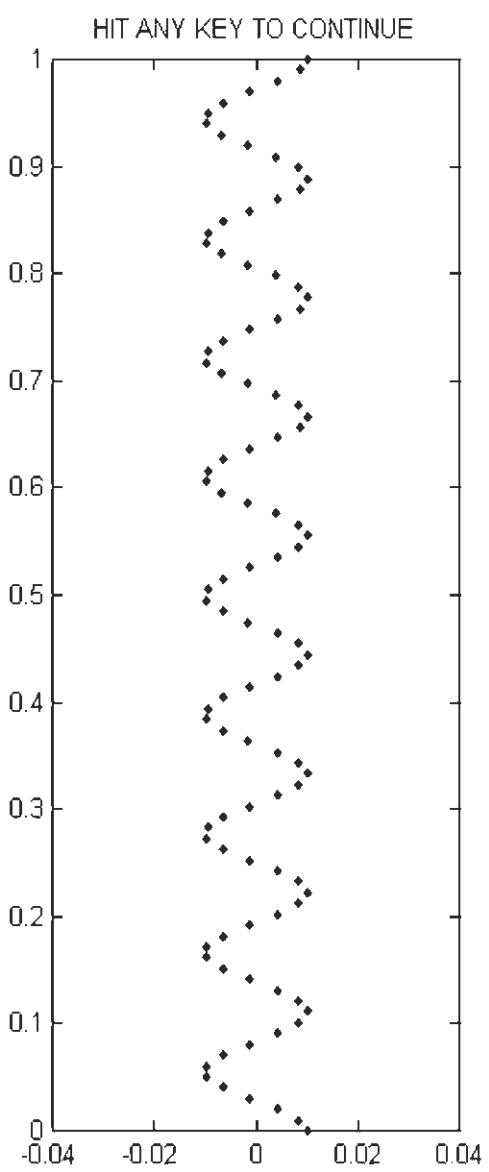
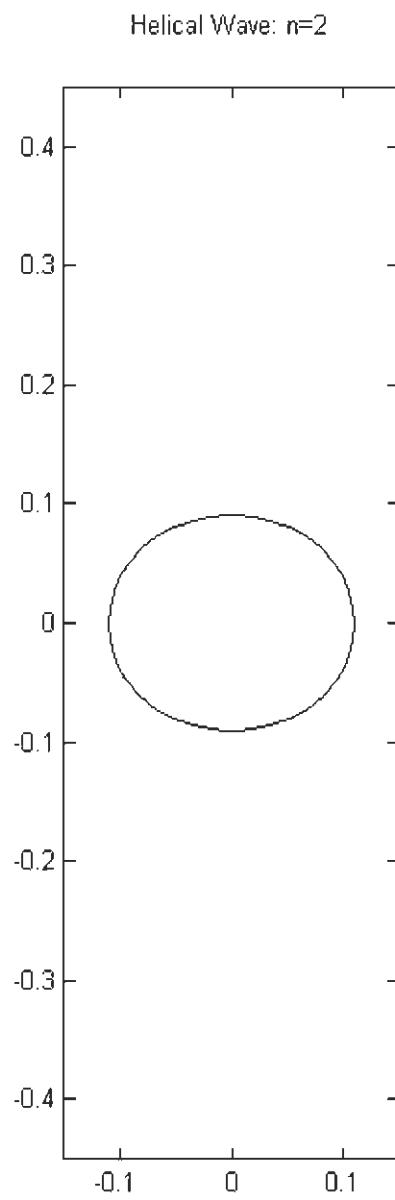
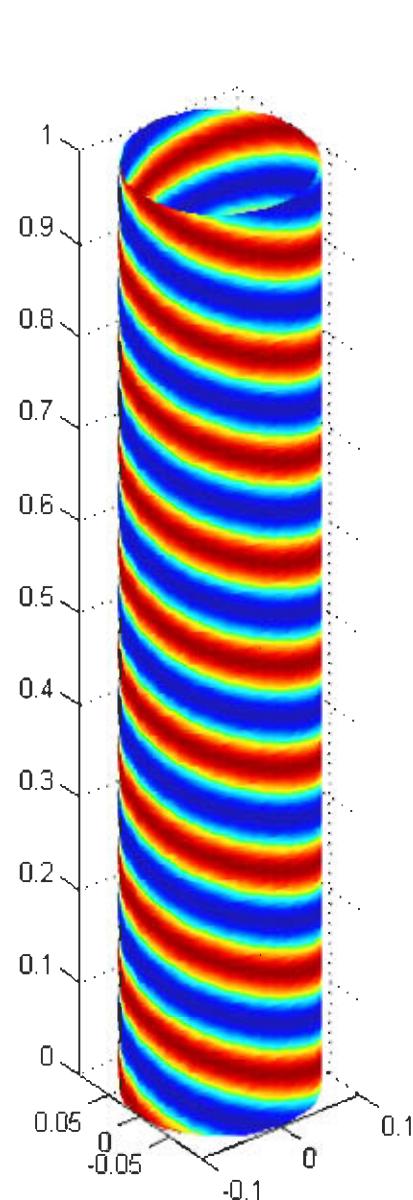


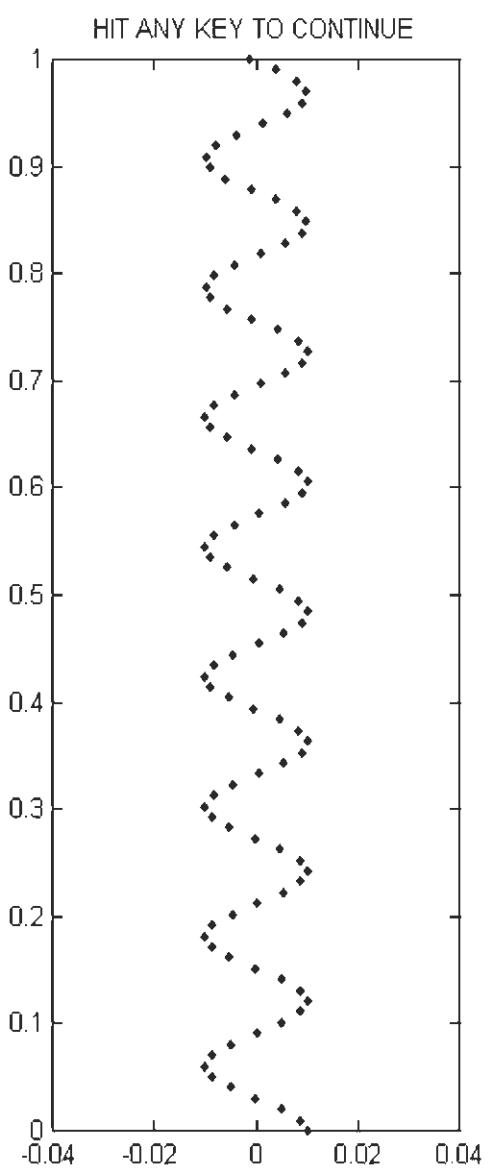
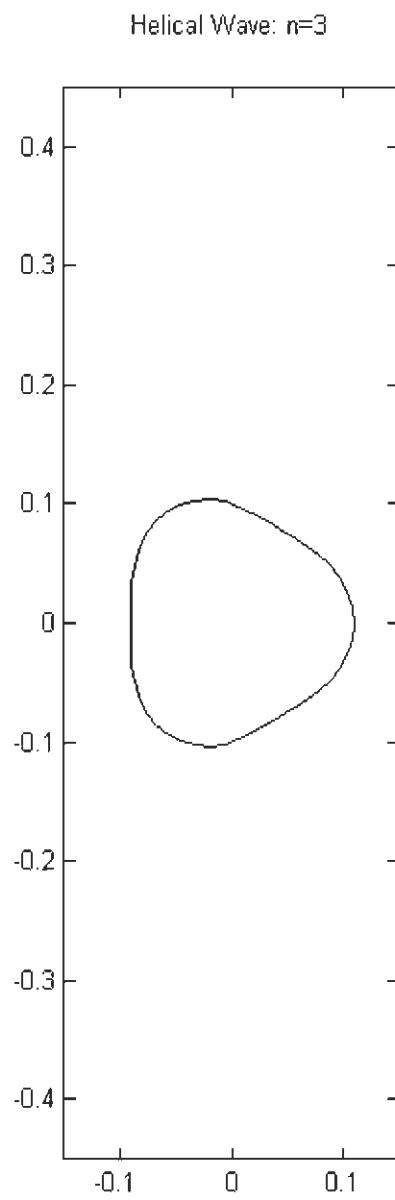
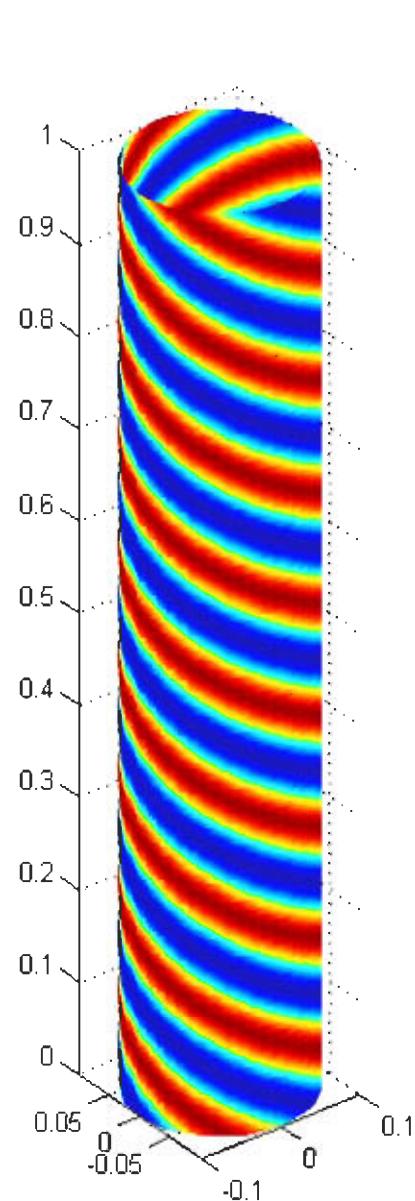
Frequency

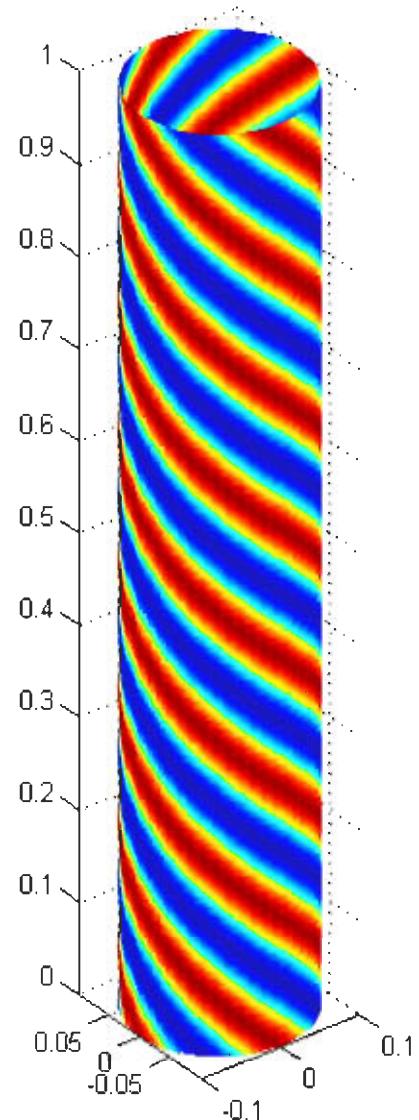
Helical Wave: $n=0$



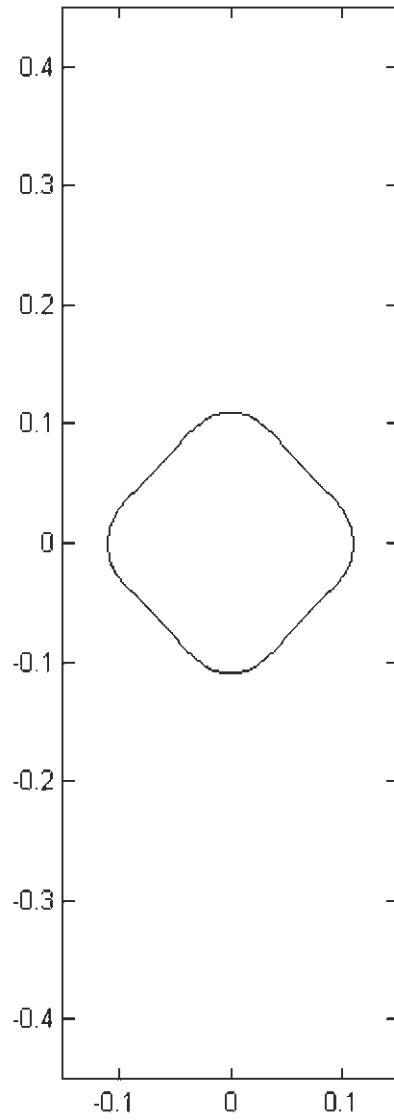








Helical Wave: n=4



HIT ANY KEY TO CONTINUE

