# HW 10, Math 121 A Spring, 2004 UC BERKELEY

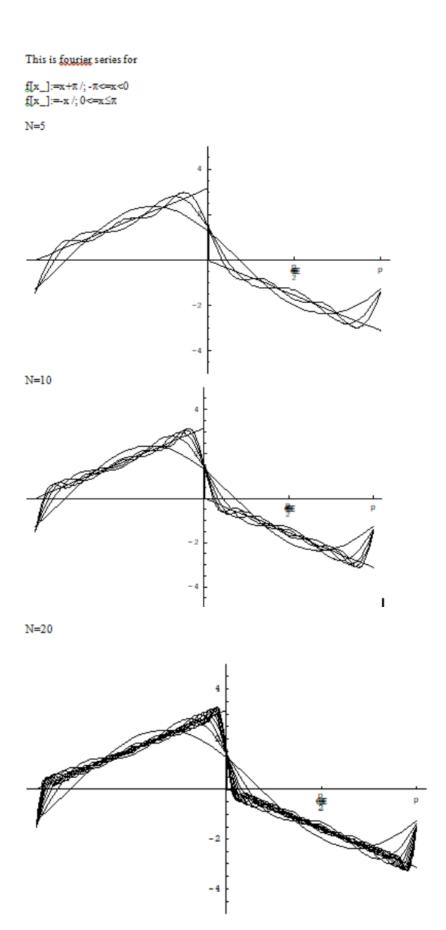
Nasser M. Abbasi

Spring, 2004 Compiled on October 28, 2018 at 4:15pm [public]

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I wrote a Mathematica program to help me understand the Fourier problems. This below is the output showing how series converges to the function for a number of n-values as n increases. Problem 4.10, chapter 7. Mary Boas second edition.

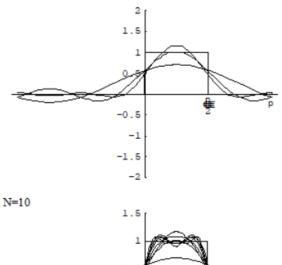


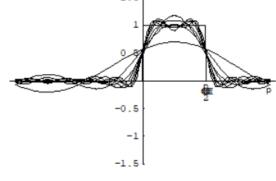
# 2 chapter 7, problem 4.2

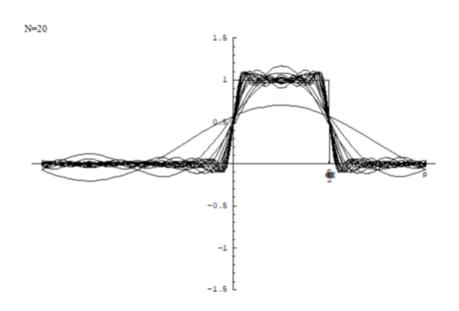
If wrote a mathematica program to help me understand the Fourier problems.

This below is the output showing how series converges to the function for a number of n-values as n increases.





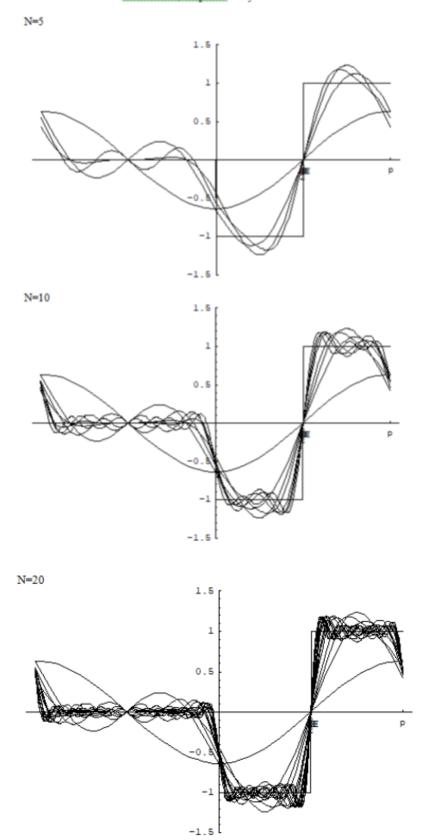




### 3 chapter 7, problem 4.5

I wrote a mathematica programto help me understand the Fourier problems.

This below is the output showing how series converges to the function for a number of n-values as n increases. Problem 4.5. chapter 7. Mary Boas second edition.

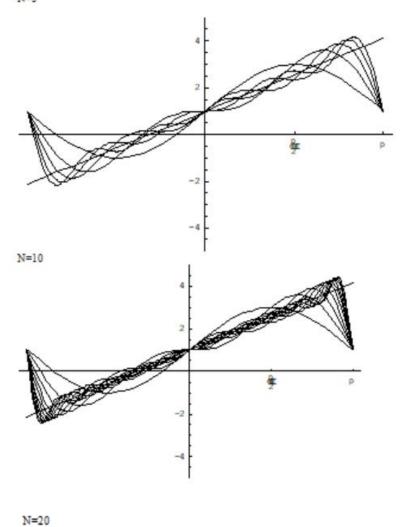


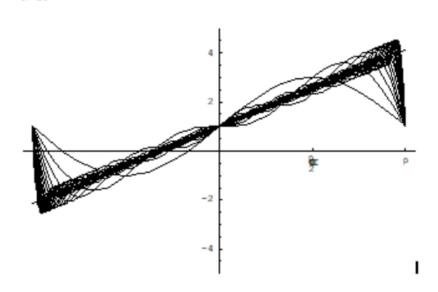
# 4 chapter 7, problem 4.8

I wrote a mathematica program to help me understand the Fourier problems. This below is the output showing how series converges to the function for a number of n-values as n increases. Problem 4.8. chapter 2. Mary Boas second edition

This is fourier series for F(x)=1+x

N=5





# 5 chapter 7, problem 5.4

