



Ingeniería Informática

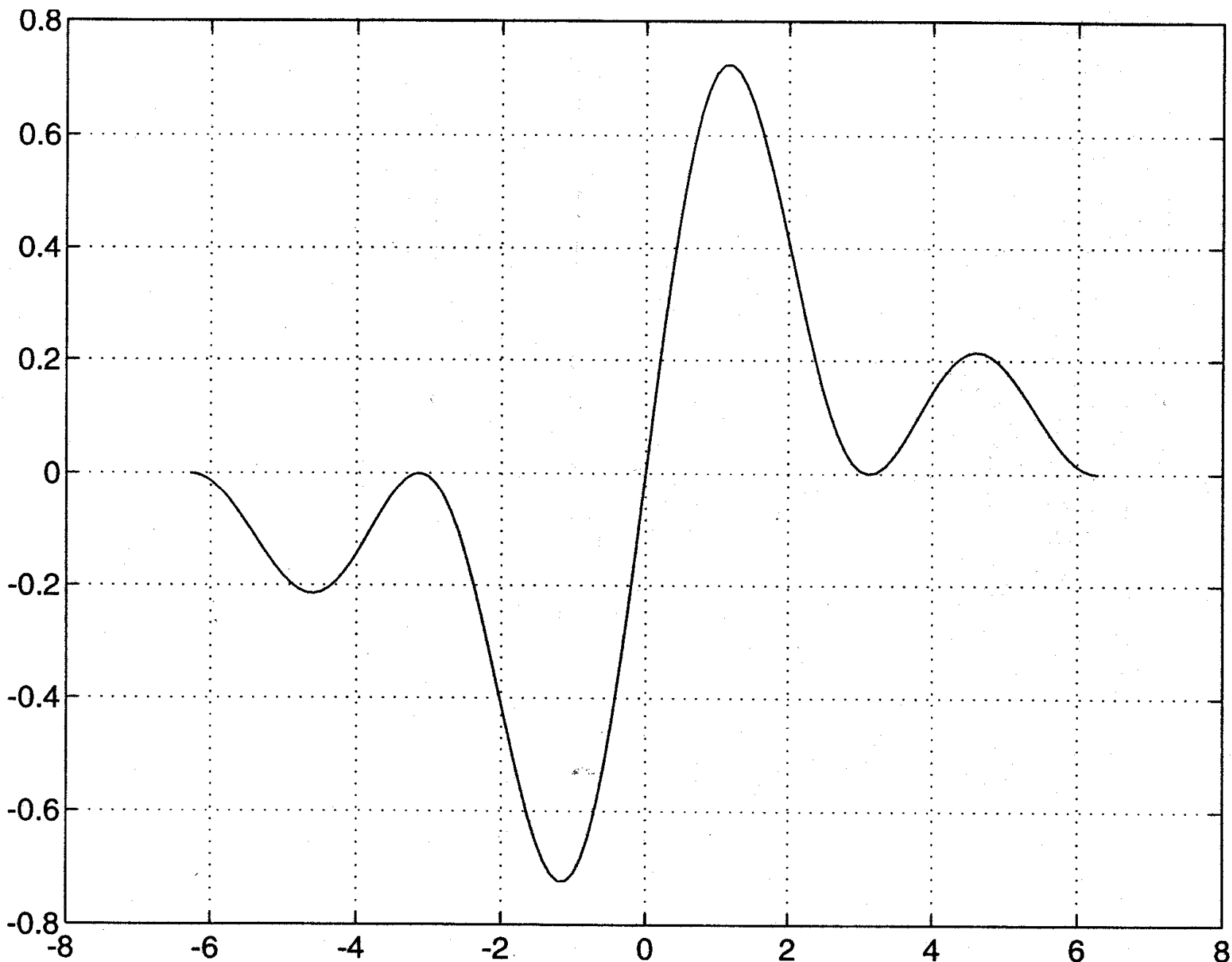
Medios de Transmisión (MT)

Tema 7

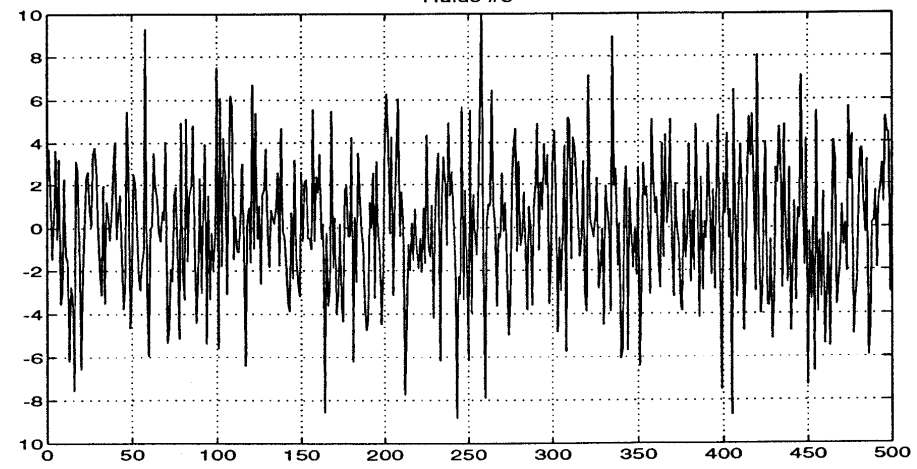
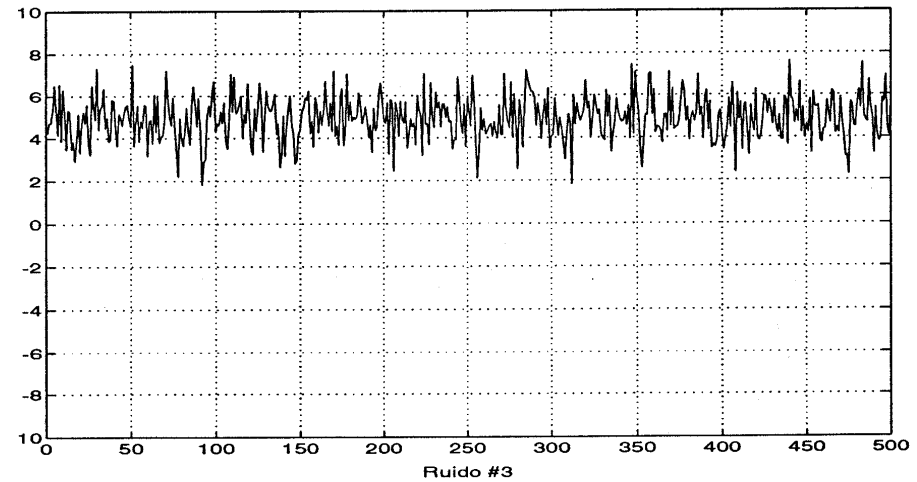
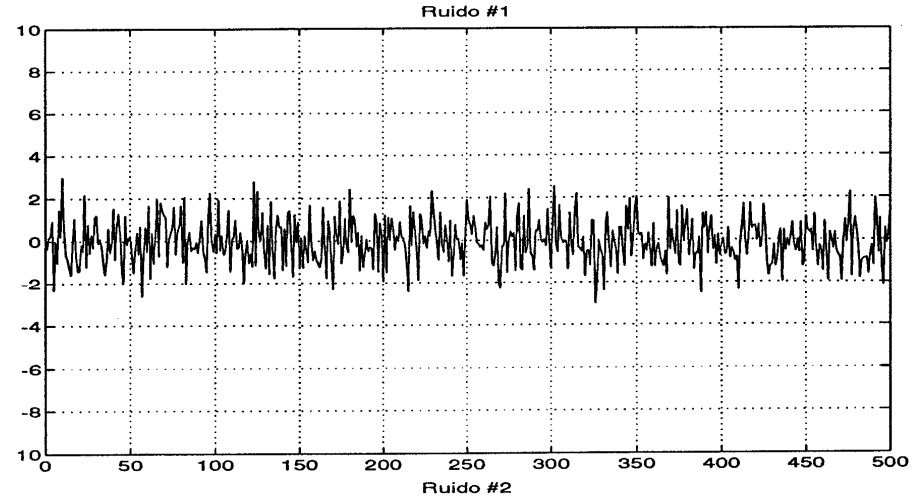
Introducción a los procesos estocásticos

Curso 2007-08

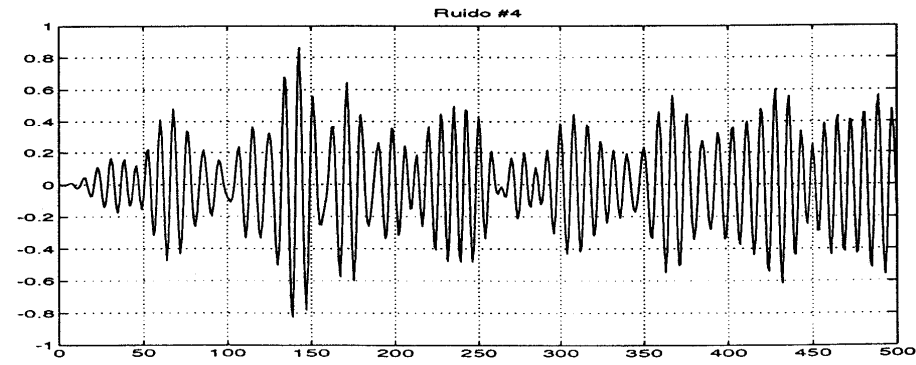
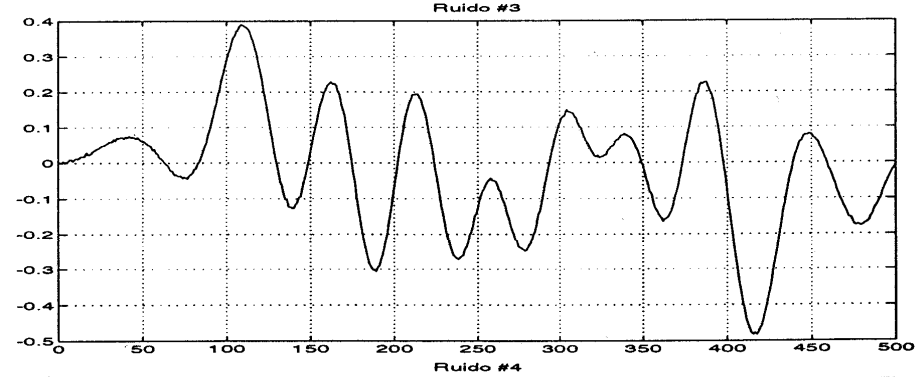
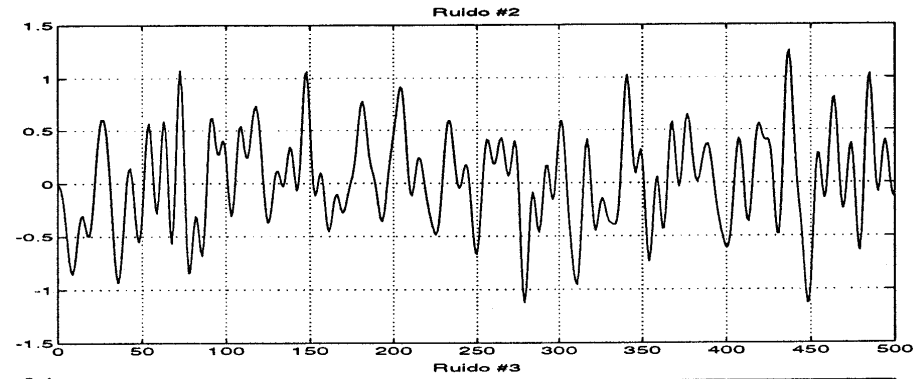
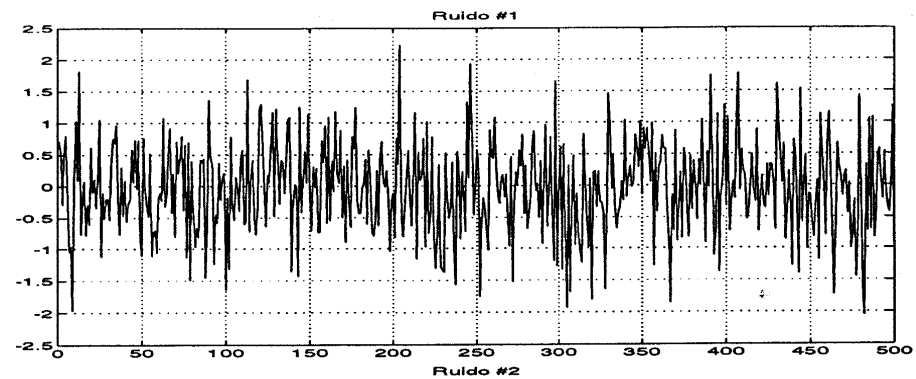
Ejemplo de señal determinista



Ejemplos de señales aleatorias



Ejemplos de señales aleatorias



Concepto de proceso estocástico

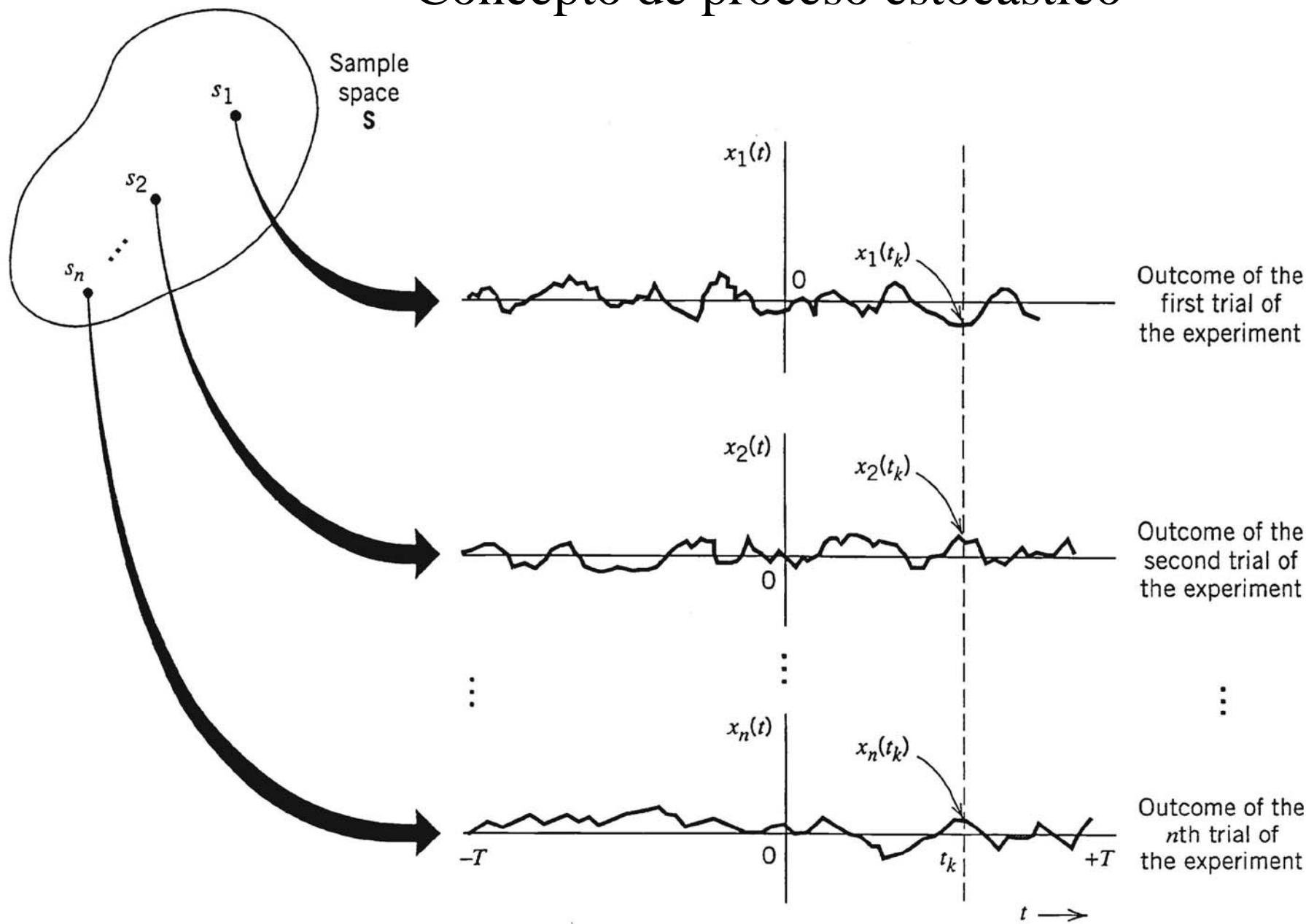


FIGURE 1.1 An ensemble of sample functions.

Media de un proceso estocástico

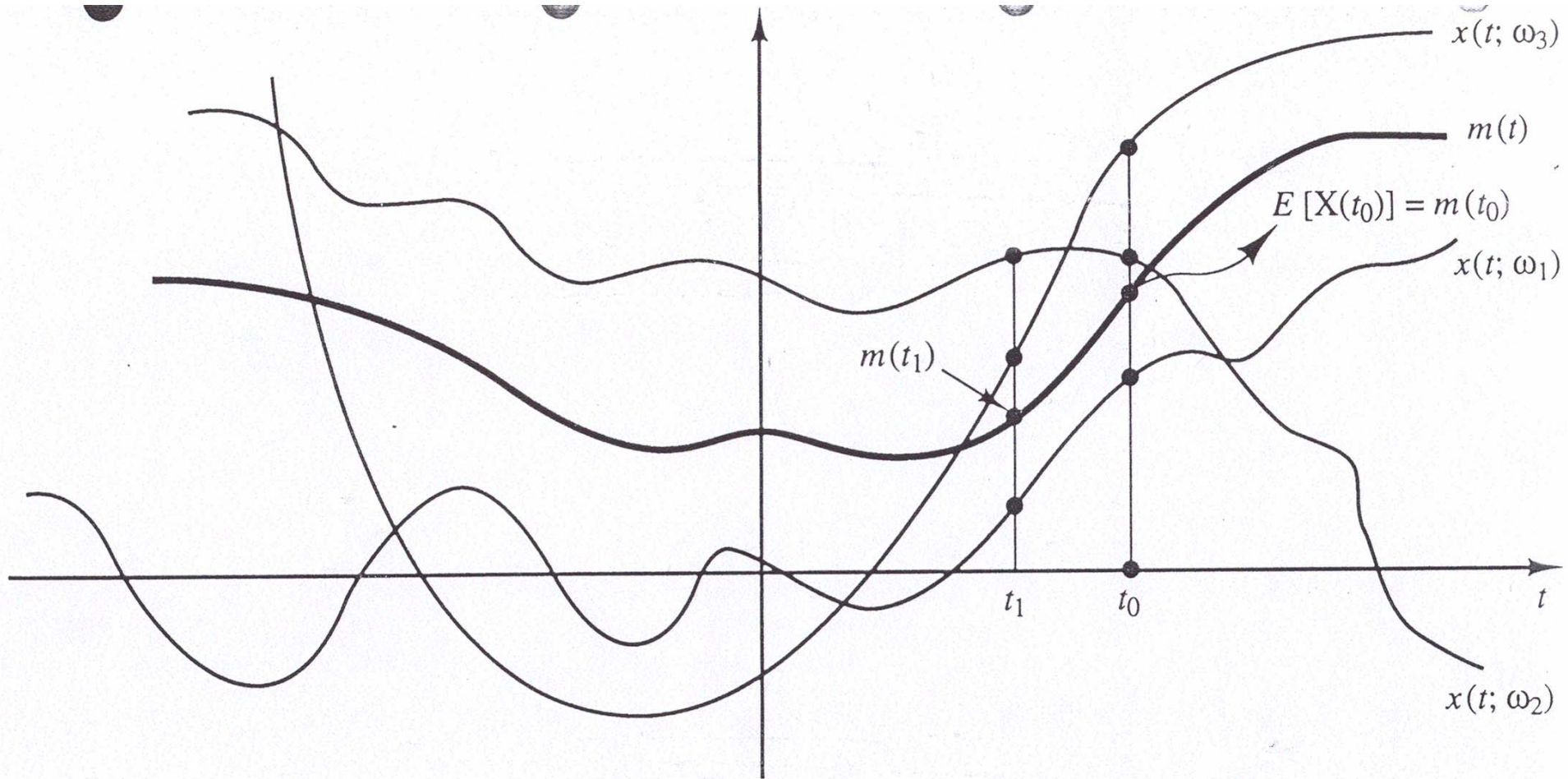
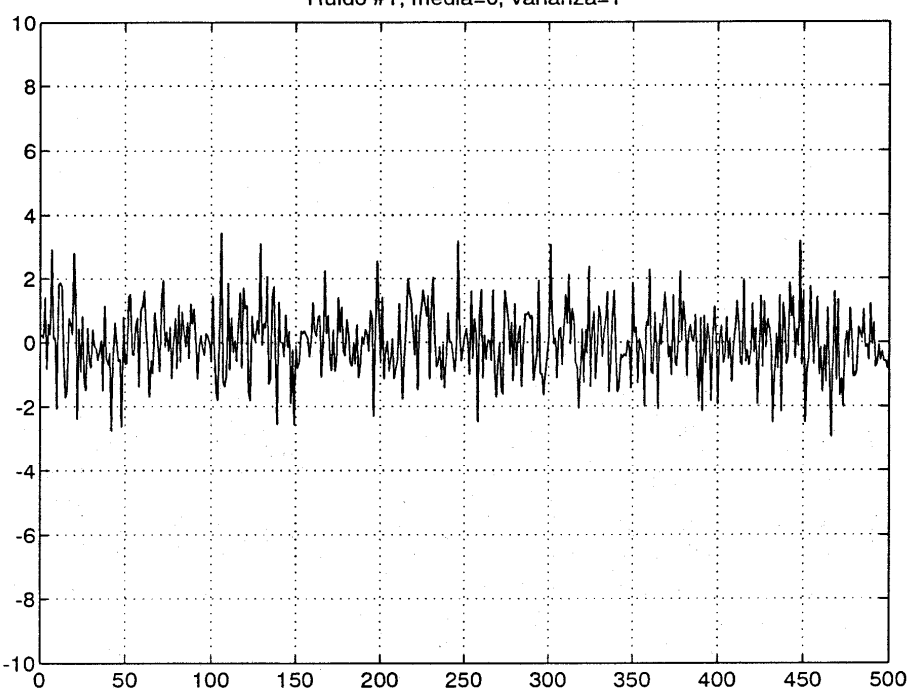
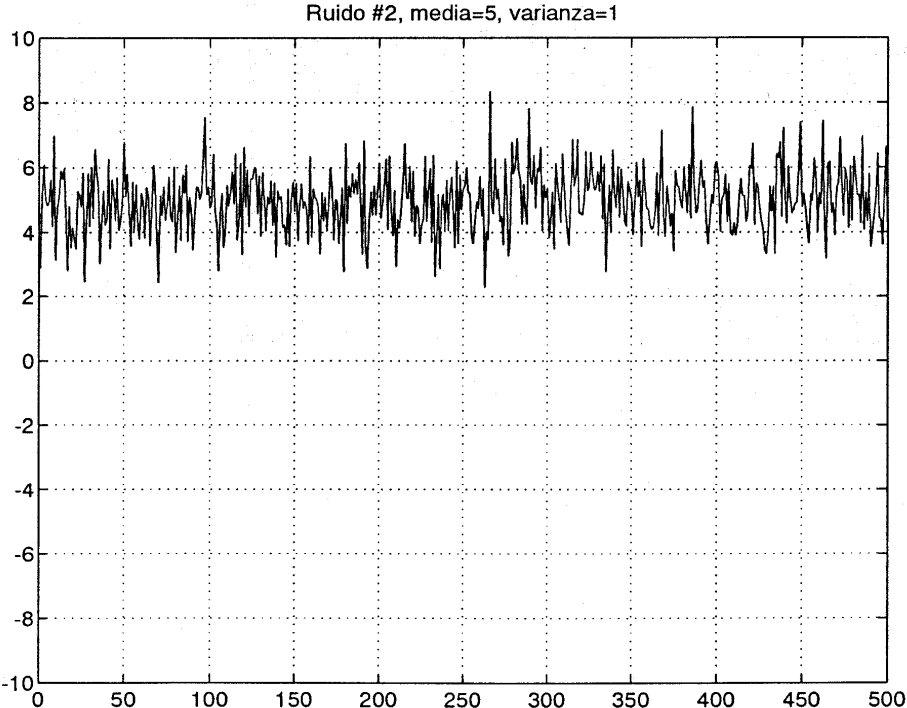


FIGURE 3.15. The mean of a random process.

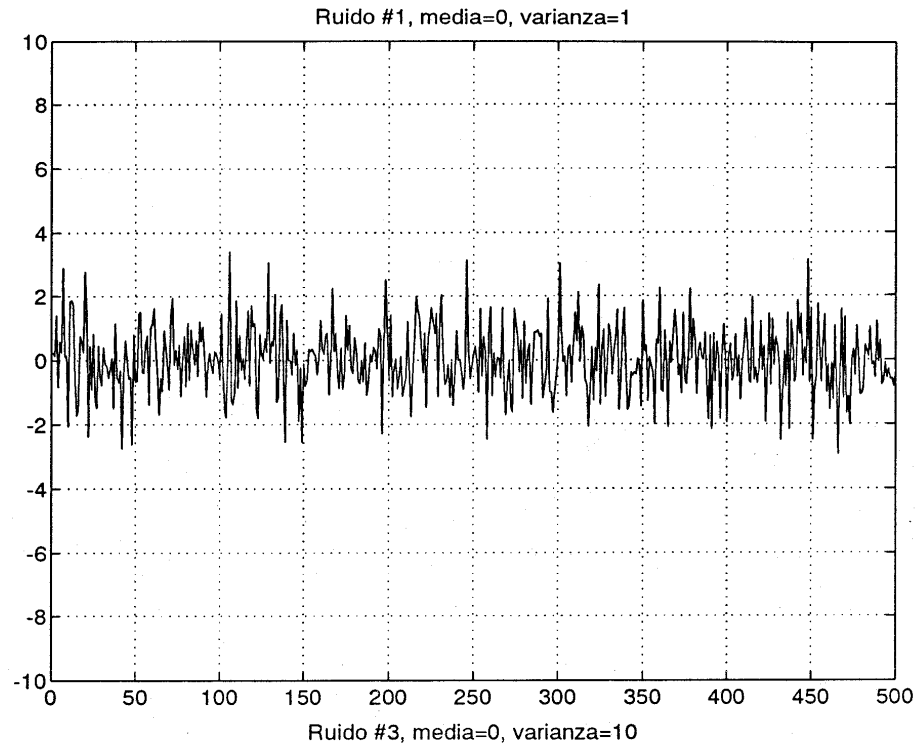
Media 0



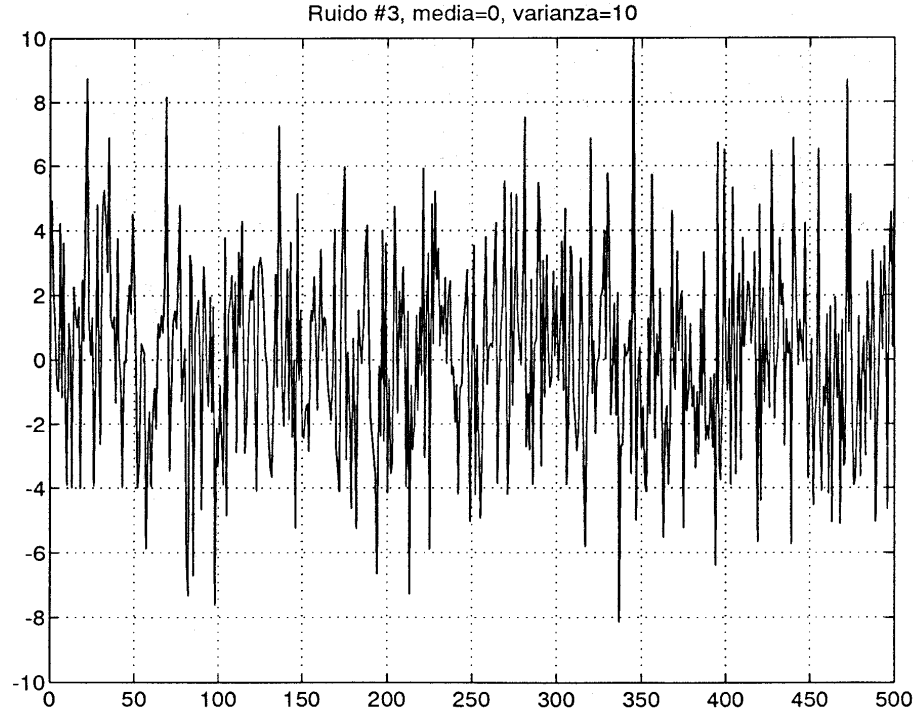
Media 5



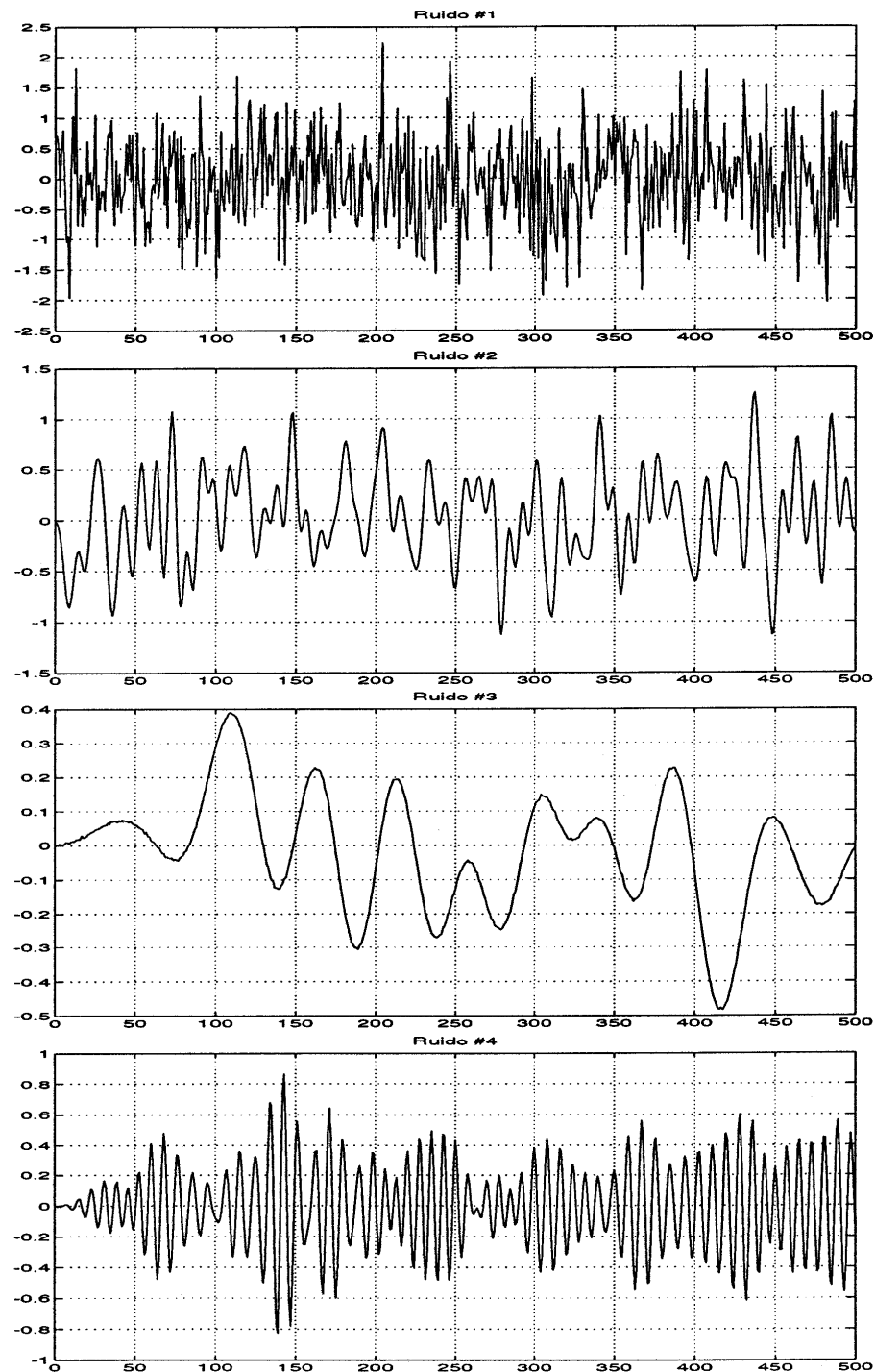
Varianza 0



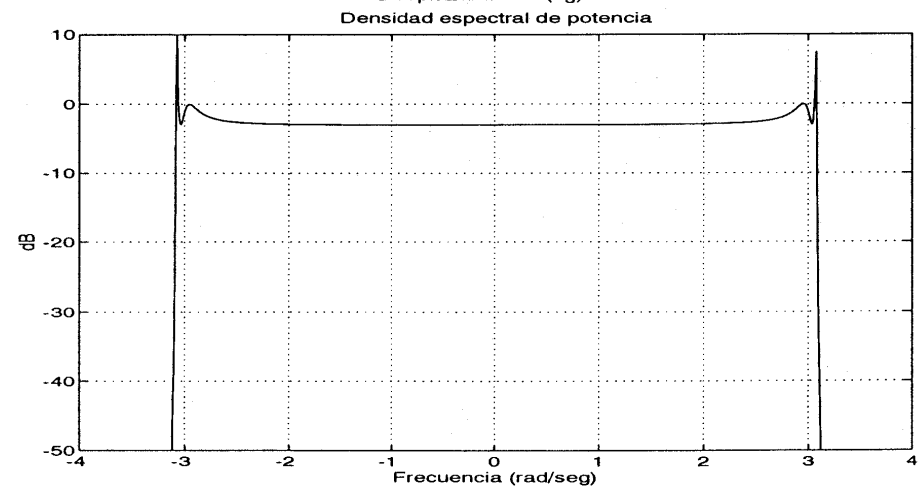
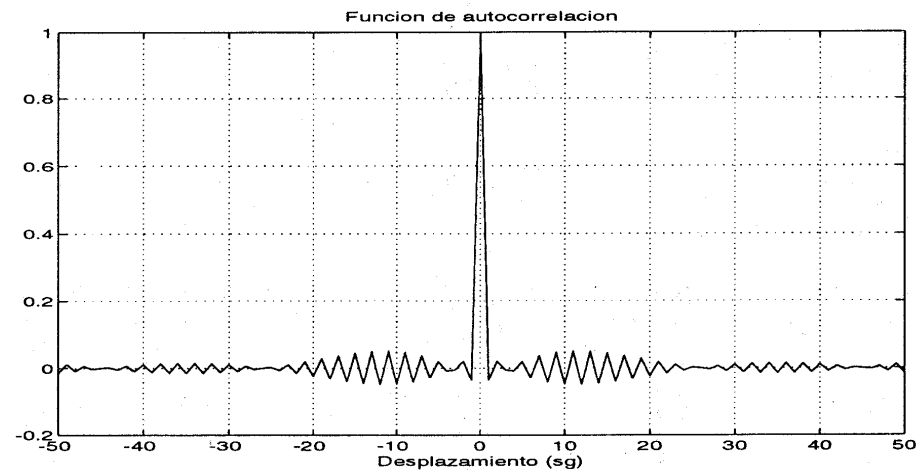
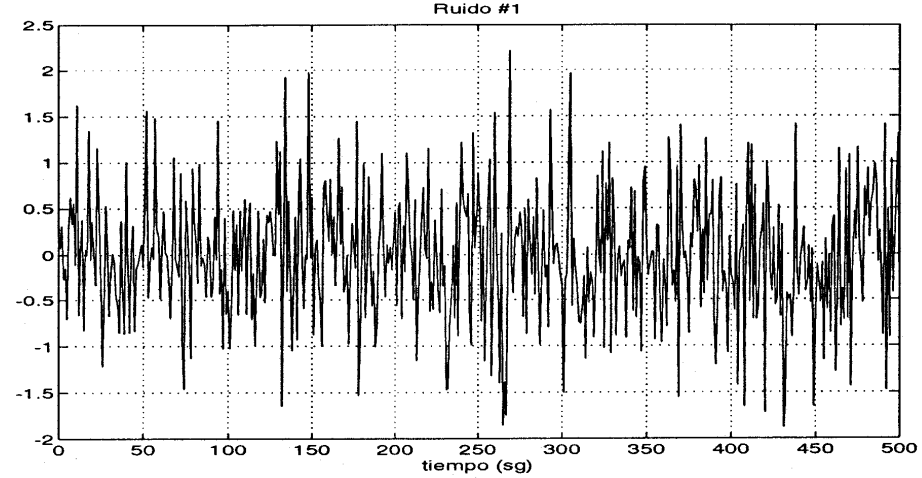
Varianza 10



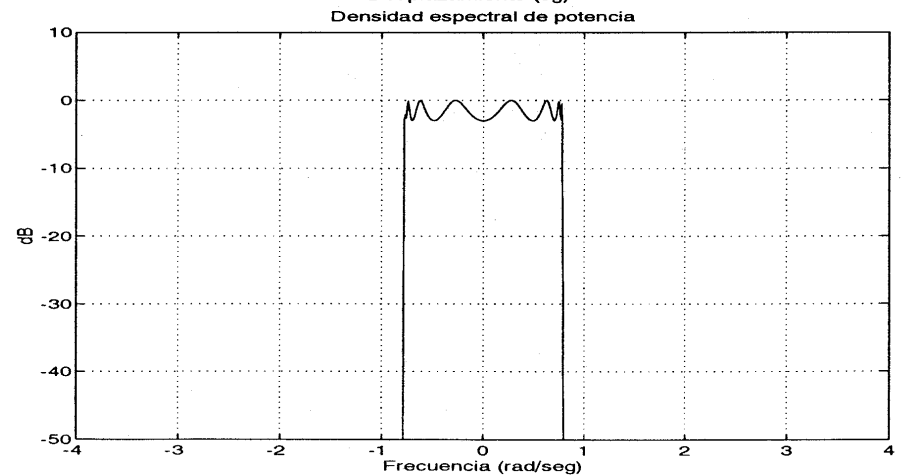
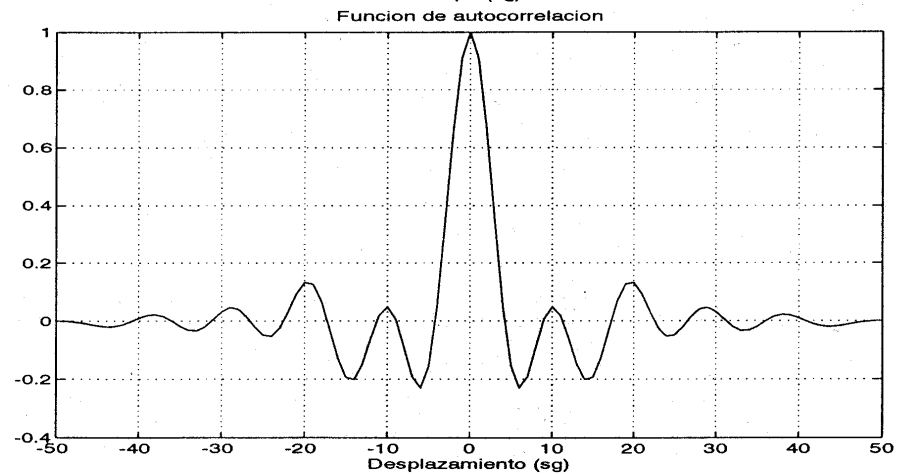
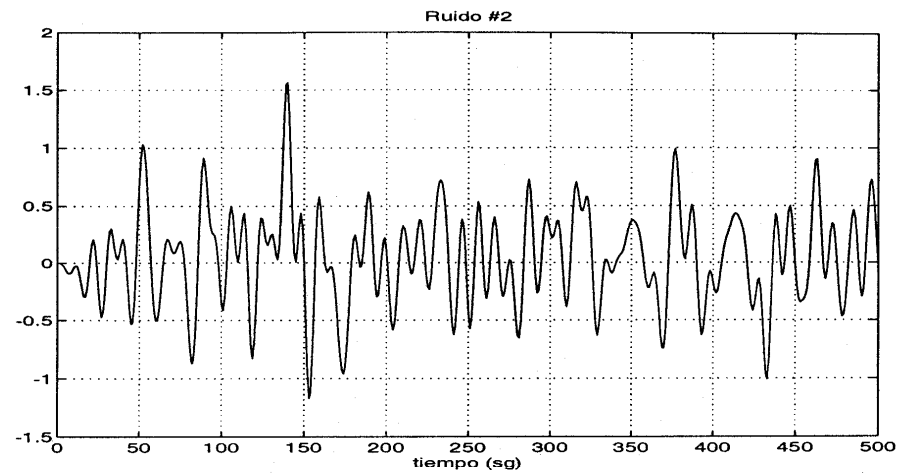
Cuatro ejemplos
de procesos
estocásticos con
distinta función
de autocorrelación



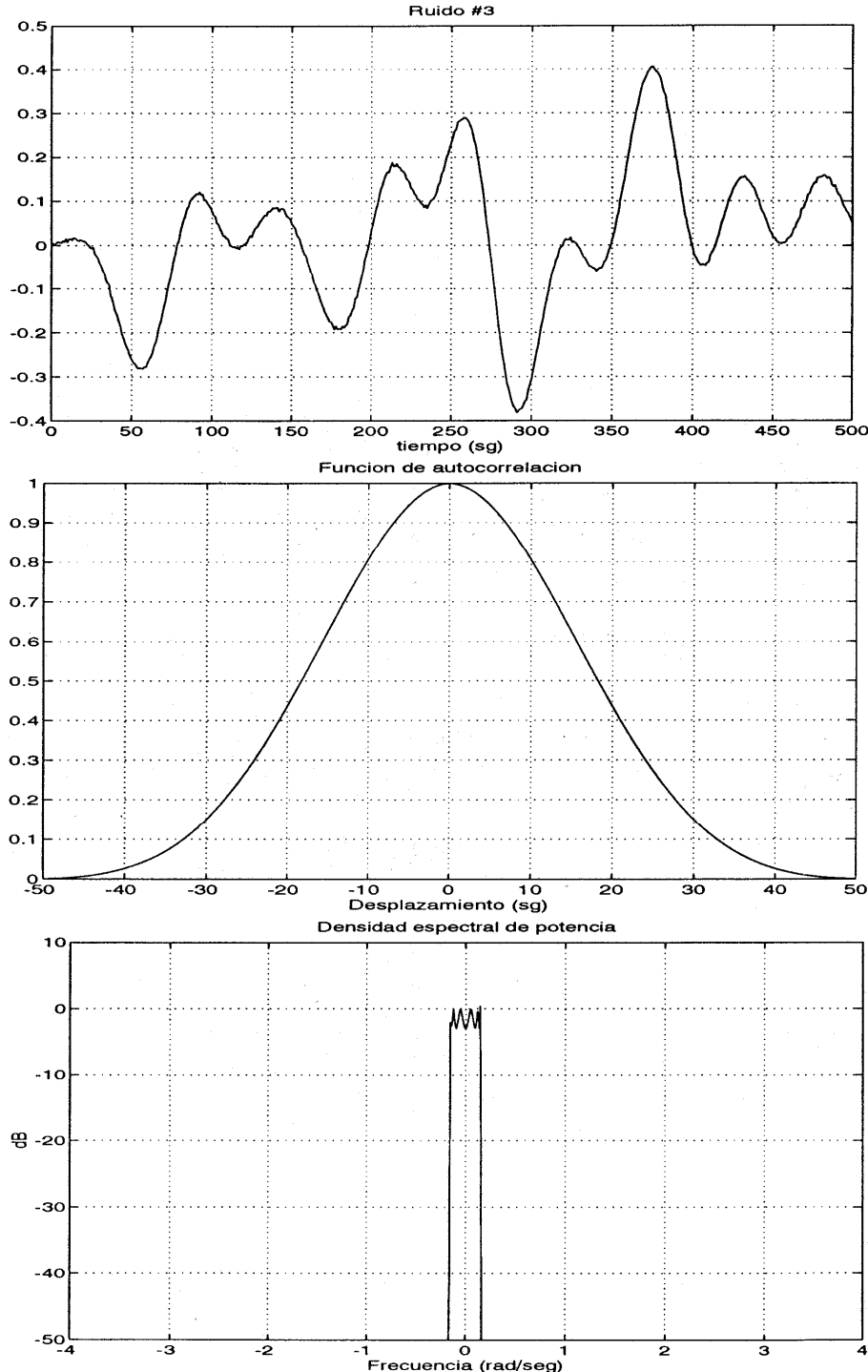
Ejemplo 1:
ruido de ancho
de banda
grande



Ejemplo 2: ruido de ancho de banda moderado



Ejemplo 3:
ruido de ancho
de banda
pequeño



Ejemplo 4:
ruido paso
banda

