

Exercise 3

Download a color image through internet

(a) Display a color image



(b) Display a gray image

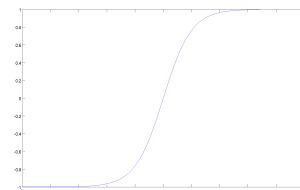
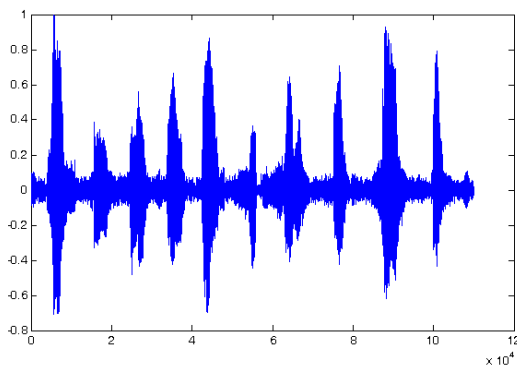


(c) Display its transpose and clockwise 90-degree rotation respectively.

(d) Display the horizontal mirror



2. Download two audio files at page 8 and display these two



sound series.

3. Display functions using matlab.

(a) $f(x) = \tanh(x)$, where $x \in [-5, 5]$.

(b) $f(x_1, x_2) = \cos(x_1 + x_2) + \cos(x_1 - x_2)$, where x_1 and x_2 belong $[-2\pi, 2\pi]$.

(c) $f(x_1, x_2) = \tanh(x_1 + x_2) + \tanh(x_1 - x_2)$, where x_1 and x_2 belong $[-2\pi, 2\pi]$.

(d) $\cos(x)$ and $\sin(x)$ in a plot, where x belongs $[-2\pi, 2\pi]$.

(e) $\cos(x)$ and $\sin(x)$ in two subplots of a figure, where x belongs $[-2\pi, 2\pi]$.

