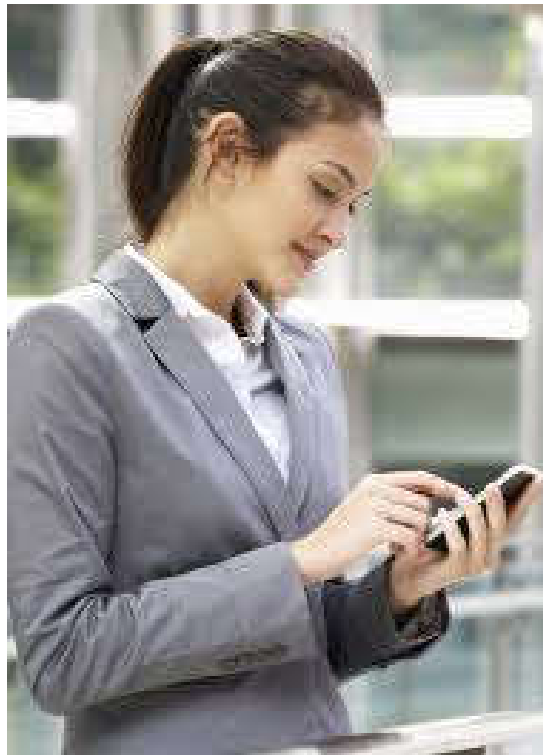# DIP Homework #2

Problem 1   **Skin Detection**

➤ **test image**: **skin_det_1.bmp**

➤ Use the HSV color space for skin color detection.

➤ Employ the following thresholds in your <u>initial attempt</u>:

$$6° \leq H \leq 38°$$
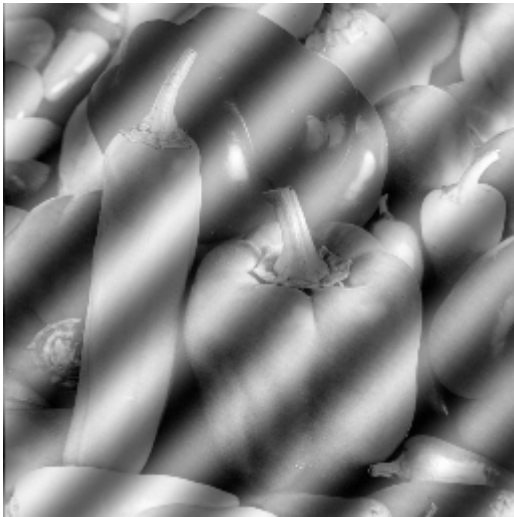$$0.23 \leq S \leq 0.68$$

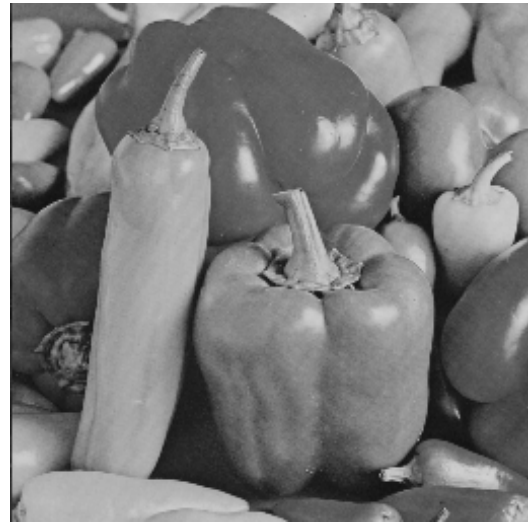Modify the ranges of these parameters until you obtain satisfactory results.

Problem 2   **Removal of Periodic Noise**

➤ **test image**: **periodic_noise3.bmp**

➤ Utilize the frequency-domain filtering approach.

the test image with a periodic noise   the restored image

Problem 3   Morphological Noise Removal

➢ **test image**: **noisy_rectangle.bmp**