

VC. Exercise 6.1

Clustering

Given the BW image in Fig 1:

- i) Apply the K-means method to segment the 2 main structures: object and background.
- ii) Apply the Mean Shift method to segment the 2 main structures: object and background.



Figure 1

Given the color image in Fig 2:

- iii) Apply the K-means method to segment the 3 main structures: sky, clouds, and wheat field.
- iv) Apply the Mean Shift method to segment the 3 main structures: sky, clouds, and wheat field.



Figure 2