

# Watershed from Minima

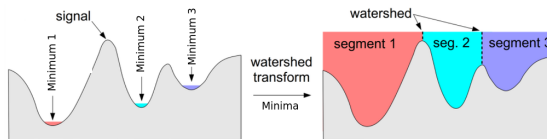
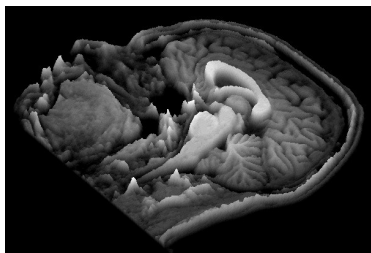
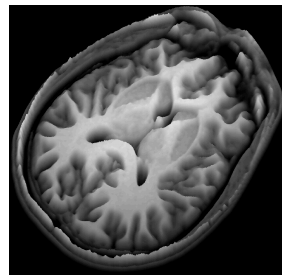


Figure: Watershed from minima operation.



(a)



(b)

Figure: (a) Sagittal and (b) coronal topographic views of brain MRI slices.

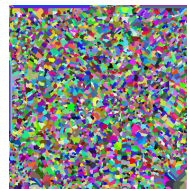
# Watershed from Minima



(a)



(b)



(c)

Figure: (a) Brain MRI slice, (b) negative. (c) Watershed from minima.



(a)



(b)

Figure: (a) Pre-flooded negative image. (b) Watershed from minima.

# Watershed from Markers

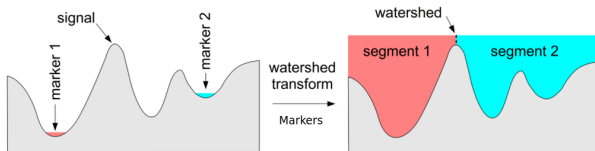


Figure: Watershed from markers operation.



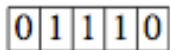
(a) Markers



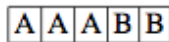
(b) Watershed from markers

Figure: (a) Markers and (b) watershed from markers results.

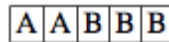
# Tie-zone Watershed



(a)

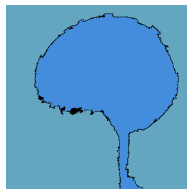


(b)



(c)

**Figure:** Illustration of the tie-zone problem. (a) Sample image. (b) Output 1 and (c) output 2.



**Figure:** Illustration of the tie-zone watershed from markers. The tie-zone is represented in black.