

Mutex Watershed

Q & A

Mutex Watershed (ECCV '18)

- Parameter-free

1. Sort

2. Mark

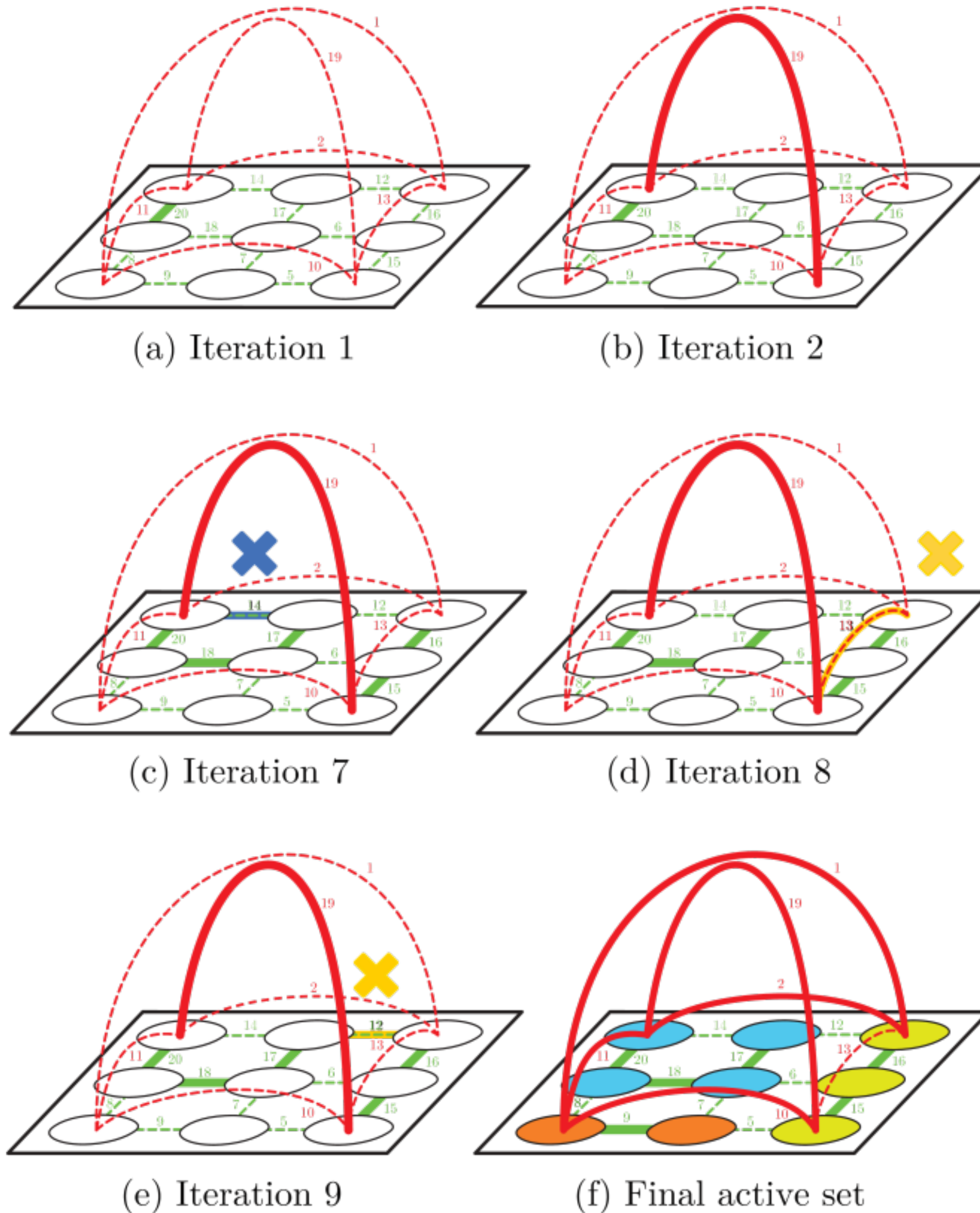
A. Green:

- if not (mutex && cycle)

B. Red:

- if not (mutex)

Wolf, S., Pape, C., Bailoni, A., Rahaman, N.,
Kreshuk, A., Köthe, U., & Hamprecht, F. A.
*The Mutex Watershed: Efficient, Parameter-Free
Image Partitioning.*



Train set: Tobacco 27 images \rightarrow 250 images \times 5

- Horizontally mirror ($prob=0.5$)
- Rotate ($max. \pm 10\ deg, prob=0.8$)
- Zoom ($max. \times 4, prob=1.0$)

Rule of Thumb: **Larger Foreground Area \approx More Accurate**