(a) Step-1 Identify features

Label Features with Numbers

Feature Numbers Sorted by Size

(b) Step-2 Link features in pairs

Record Overlap Feature Numbers

(c) Step-3 Assign track numbers

Assign track numbers to pairs of linked features sequentially, record merge/split feature numbers

(d) Step-4 Calculate track statistics

Calculate each feature statistics (e.g., size, mean)

Reorganize track statistics to [tracks, times]

(e) Step-5 Map track feature numbers to native grid

Map track numbers back to labeled features on native pixel-level files at each time frame

Track numbers are the same across times for the same track