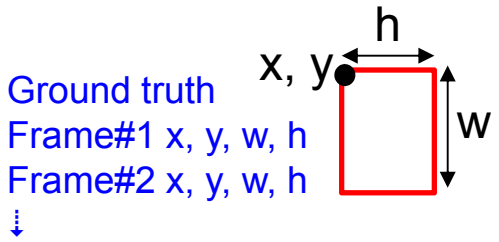
HW4

- Find the target in the image sequence “1.avi”
  - You may use any method with arbitrary target features
  - Compose the functions or sample codes of OpenCV
  - Analysis the tracking performance
    - Average computational time per frame
    - IoU (Intersection over Union) curve
    - Accuracy rate
      = number of correct frames (IoU>50%) / total frame number



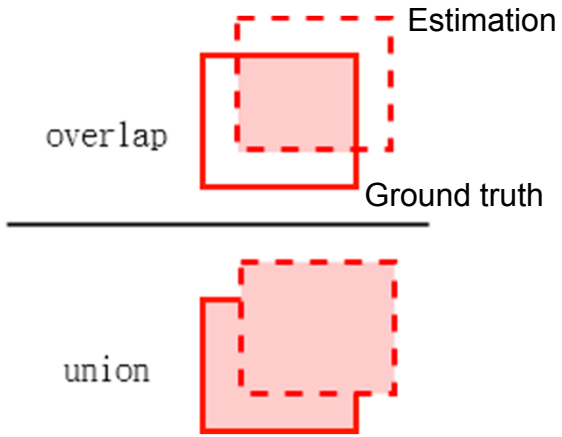
- Bonus
  - Find the target in image sequences “2.avi” and analysis the tracking performance

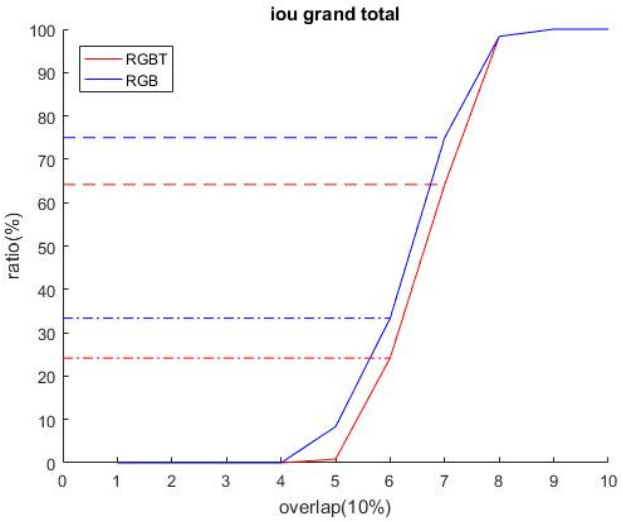
HW4

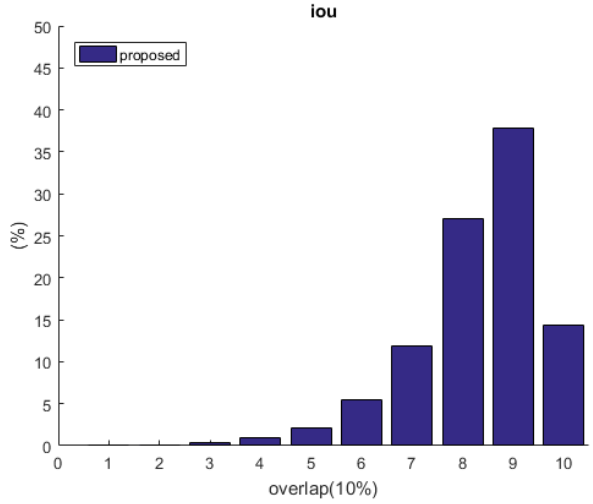
- Requirements
  - Program: source code of VC project with .exe file
  - Report
    - Describe the employed source code editor and how to execute your program (input/interface/output)
      - Identify the version of Visual Studio and OpenCV
    - Introduce your work, method, and discussions
    - Capture the results (snapshots per 30 frames)
    - Analysis the computational time and accuracy rate
  - Do NOT upload the videos of tracking results
  - You MUST use OpenCV library to complete this homework

IoU

- Intersection over Union







accumulate