# 3rd double prime version:

threshold\_low = 0.15

threshold\_high = 0.35

threshold\_low\_map = np.full((height, width), threshold\_low)

threshold\_high\_map = np.full((height, width), threshold\_high)

overall\_max\_values = np.max(wd\_sigma\_list, axis=0)

max\_indices = np.argmax(wd\_sigma\_list, axis=0)

is\_max\_in\_top5 = max\_indices < 5

# Compute threshold maps

threshold\_map = np.where(is\_max\_in\_top5, threshold\_low\_map, threshold\_high\_map)

# Compute ratios

ratios = wd\_sigma\_list / overall\_max\_values

ratios = ratios[5:, :, :]

sigma\_sequence\_final = [0.] + sigma\_sequence[4:]

# Compute sigma map for thresh

indices = np.argmax(ratios >= threshold\_map, axis=0)

sigma\_map = np.take(sigma\_sequence\_final, indices)

pseudo code:

peak = max()

if peak in first 5:

thresh = threshold\_low

else:

thresh = threshold\_high

if not exist point satisfy the thresh:

sigma = 0

else:

sigma = np.argmax(ratios >= threshold, axis=0), backs 2 steps