

Gruppenteilnahme

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Kontrollfrage

1. Nennen Sie Unterschiede zwischen den Distanzmaßen aus Aufgabe 1b

=> Both SAD and SSD return the result simply based on the distance of 2 points. The advantage of SAD over SSD is its result could be optimized via deviation (deviation of SSD always gives a constant number), or we can understand that the result of SAD could be converged at some point

=> Both SAD and SSD are sensitive to noise. The advantage of NCC is to reduce noise, in compensate for the increase in computational.

2. Warum ist das Ergebnis der Disparitätsschätzung aus Aufgabe 1 teilweise starkt verrauscht?

=> The calculation from Disparity in Exercise 1 after all just give the result based on one-to-one comparison. Dynamic Time Warping (the method using for comparison 2 arrays) allows many-to-one comparisons to create the best possible match.

3. Welche Disparität erhalten verdeckte Bildpunkte in Aufgabe 1 und Aufgabe 2 ?

=> In exercise 1, every point get calculated using comparison formular. So there is no hidden point

=> In exercise 2, hidden point get the disparity of "Infinite"