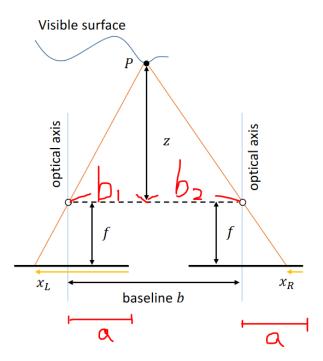
Assignment 4:

Stereo Matching

系級: 電機四 姓名: 林棋祥 學號: b04505004

1.



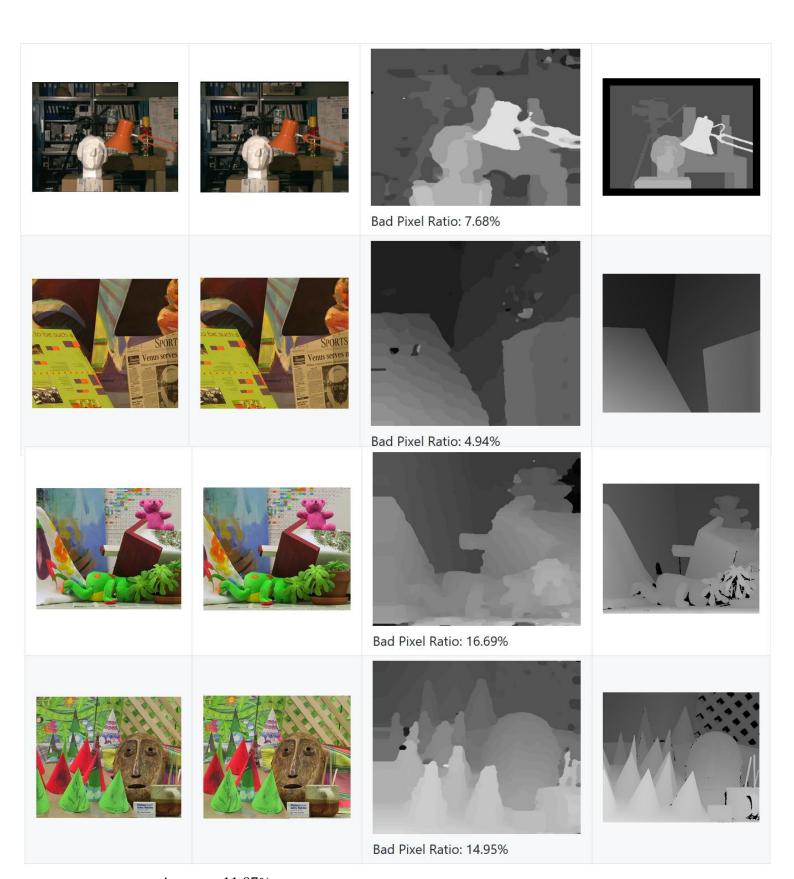
$$X_L = a + \frac{b1}{z}f$$
, $X_R = a - \frac{b2}{z}f$ $d = X_L - X_R = \frac{b1 + b2}{z}f = \frac{b}{z}f$ 得證之

2. 本題使用課堂上提及的 Fast Cost-Volume Filtering for Visual Correspondence and Beyond 這篇論文實作。

cost computation: Square Distance (L2 distance)

cost aggregation: Joint Bilateral Filtering disp. optimization: WTA (Winner Take All)

disp. refinement: Left-right Consistency Check, Hole Filling, Median Filtering



Average: 11.07%