

Homework #2

Given: 03 Oct. 2016; Due at 09:10AM 11 (Tuesday) Oct. 2016

1. If the interior orientation parameters are the only error source, analyze whether systematic errors in (1) principal point and (2) principal distance, would disapprove intersection, namely causing y-parallax (y 視差 or 縱視差)? It is essential for you to clearly address your answer for the above two factors each by adequate proof. (40%)
2. Elaborate on why perfect exterior orientation parameters together with even error-free conjugate point measurements won't necessarily guarantee quality (優質的) 3-D object point determination? And how to improve it? (30%)
3. Referring to the photogrammetric configure on page 56 (2016_09_26_Review of Photogrammetric Theories_Part 2.pdf), will the solution be better if the configure is to be replaced as follows? And why? (30%)

