

INTRODUCTION TO PHOTOGRAMMETRY & DRONE SURVEY.

Transfer of Principal Points on two successive photograph:

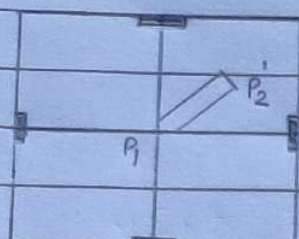


Photo 1

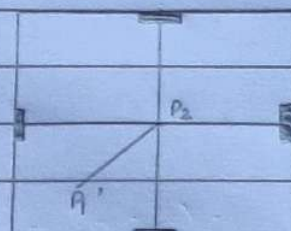


Photo 2

$P_1 P_2 \rightarrow$ principal points on photo 1 & 2.

$P_1' P_2' \rightarrow$ Transferred principal point on 2 & 1.

$P_1 P_1'$ & $P_2 P_2' \rightarrow$ photo Base Distance.

$$\begin{aligned} \text{Air Base Distance} &= \text{mean air base distance} \times \text{scale of photograph} \\ &= 7.8 \text{ cm} \\ &= 7.8 \times 50,000 \text{ Km} \\ &= 3.90 \text{ Km} \end{aligned}$$

OBSERVATION TABLE:

Observed photo No.	Photo base distance.		Mean	Scale	Air Base distance (Km)
7.63-A	(1)	(2)			
3-2	7.8	7.8	7.8	1:50,000	3.90
763-A					
32-5	7.6	7.6	7.6	1:50,000	3.80

Air Base Distance:

This is the distance between two adjacent exposure stations.