Daily Accessment Jermant Name: Ijoh & Donne USM: GALITE1037 Date: 30/06/2020 Topic : Concepts of stereophotogrammetry Repository: Jyoh-course Report -> Apparent shift in the position of object due to shift in the position of observation -> Elements of exterior orientation The collinearity conditions involve g unknows I Exposure station attitude (omega, phi, Kappa) 2 Exposure station coordinates (XL,XL,ZL) & 3 object point cordinates (xA, YA, ZN) of there, we gisst need to compute the position of attitude of the exposure station, also known as the elements of exterior orientation -> Dightsation in 3D: Measuring capability · Tree-hand device for moving the curror in the xyz · need jos carrying photogrammetric operations · features includes a monse-ctyle trackball for the xy movements. - Abcolnte orientation of mobel make the reconstructed model git to the terrain. transporm coordinates measured in the model to the Method terran coordinate system.

allow reconstruction of the bundle of rays, which Interior orientation teamform coordinates measured in the image to the camera coordinate system corrected image coordinates Result - Elements of Interior orientation Callibrated gocal length 2 Principal point location 3 fiducial mark coordinates 4 symmetric radial lens coordinates 5 Decentering lens distortion - Image paix: +fow to £now! what was their where were the inclination images takes (Rotation) Exterior orientation Absolute Lelative orientation orientation

orientation of stereopens measured photo coordinates) Interior orientation regined photo coordinates I relative orientations model coordinates Absolute orientation ground coordinates · ste siophotogrammetry is the general team applied to the -> stereophotogrammely overlapping clessonais at alesto realistic weed overlapping stereopair of photographs is wed extract 2D injormation, etereophotogrammely allows 3D injormation to be estracted. - collinearity condition the Two exposure stations of a stereopair, any object point 4 its corresponding image points on two photos all lie in a common plane. - coplanarity condition - understanding the potation matrix -> separation by polarisation - viewing stereophotographs in Analog environment · Three basic types of stereor copes pocket,

Methodo of stexhodisplay in digital environment - Split sween preveng : Split erreen view Separation by polarization · Alternating Amages - Depter perception · meterde of judging depter 1 Monoscopic 2 stereoscopic Monoscopic method · Pelahive size of objects - tridden objects · Difference in Journing of eye. · shadows - In the brain