spipolar geometry: Says that given a straight-line breserving transformation says that given a straight-line breserving transformation search space for the covour fording Scale, Similarity, Africe & Broj point of as point in an image from the entire image (2D) to a line (1D) the other image goes from the entire image (2D) to a line (1D) - Gives advantages in terms of both faster computation and also lesser false associations with objects having similar features Collained from descriptors or other methods) Etifolar anis-hine joining projection centers

Apifolar plane - Plane spanned by projection centers and point being observed. Epipele - Projection of the camera center of the other camera onto the image Spipolar line - Intersection of the epipolar plane with the image Varying the distance of the point cort one camera keeping the direction same, the image pinel location of that point slides on the epipolar line cornesponding to the other camera Hence, the search space reduces to the epipolar line Tt is called the efifolar aris because you can generate the efifolar plane that passes through another foint by just netating it about this aris Expipolar lines: Images of the mays joining the foint being observed and the camera center onto the image plane of the other camera Expipoles also he on the epipolar plane because they lie on the epifolar axis, which lies on the plane. Kesentially, these epipoles are the intersections of the epipolar axis with the image

