This Question is proved by 2 methods geophically & Analytically. Jourshing of the Plane Q1- Grophically) Object Plone of Defined by Nx=d image plan, I Lets say use home a plone & lobject plone) defined by NTX = d. going under propertive projection which is perpendicular to image plone of. To each point Pon o we howe point pon I corresponding to me intersection of the line CP with the plane of. Circalled contre of projection & CV is the focal lenth of.

The point of intersection of the line twough.

C, that is pt to image plane land so parallel to

the object planes is called principal vanishing point V.

The line ve, which is intersection of the picture plane &

through P II to the object plane is called harizontal line.

& Vanishing live object planes Inge plan, J. Let MIR M2 be line on object plane The juge of Mi is the line mi when the plane IT, containing C & Mi intersects the image plane. There is line CVm Which is 11 to Mit Go this line is also on TT. Since this line is Horizontal, it also line in plane determined by cand w, the valuishing line.

And Vline & Cvm line in the same plane; then they must interged at Vm ( point) This places Vm on both The image place, so it must lie on the interestorm Mi Hence we can day that the vanishing points!



