Let's consider the motion of object is captured from frame 1 to frame 20 Now consider 2 deferent illuminations I, & I2 Perform the following: -De For the first frame (in the time frame before any motion), copture the image/same with illumination I, and the switch to Iz and capture the scene again. (2) For the second frame, capture the scene with unumeration I2 and switch to I, and capture the scene again ,: So now we have 2 images por frame. Nous ure can have 2 constraint equations _ [with illumation I.] IIx U+ Izy V+ II+=0 -Izou+ Izy V+ Izt=0 - [with Illimindin Iz] (U,V) for a given (x,y), remain same for both eliminations, since we can change illumination at a speed much faster than object motion. Given 2 equations and 2 unknowns , we can find unique (u,v).