WORLDOME Doneis Corner Deterbon: It is a method to find corney and infer features of an image. Here we convider a small window of Size 5x5 image patch in the picture. The idea is to identify unagre pricel windows that are measured by shipping each window by a small amount of change that occurs in coodparding pixcel values. We define the change function E(u,v) as - the sum of all the Sum Squared differences where u, v = (x, y) coordinates of every piacel en our 5 x5 window I = Interpy value of the pincel. $\mathcal{E}(\alpha, x) = \mathcal{E}(\alpha, y) \left(\mathbb{I}(\alpha + (\alpha, y + v) - \mathbb{I}(\alpha, y)) \right)^{2}$

Summotion pration ANE M G(u,v) = (u v) (E (In I I I I I)) [u] M= & w Cn, y) (InTy Inty) E(u,v) & [u v] m [u] Cet The corresponding eigen value of M he is, of these eigen values devide wheather. the region is comer edge or flat. com when &, & are small the degion omewhen 2,2>2 the region is an on when he exp are Corge & 1, 20 /2 In my work space : have compolered en image path having the following

WORLDONE (43 140 141 Her Calculating the eigen values 2120.21 /22 81314 Ag 28 As we notice in X1 & X3 then the region will detected on Combinations of their Eigen values result in Coeation of the correct. Approximately the corner can be found at