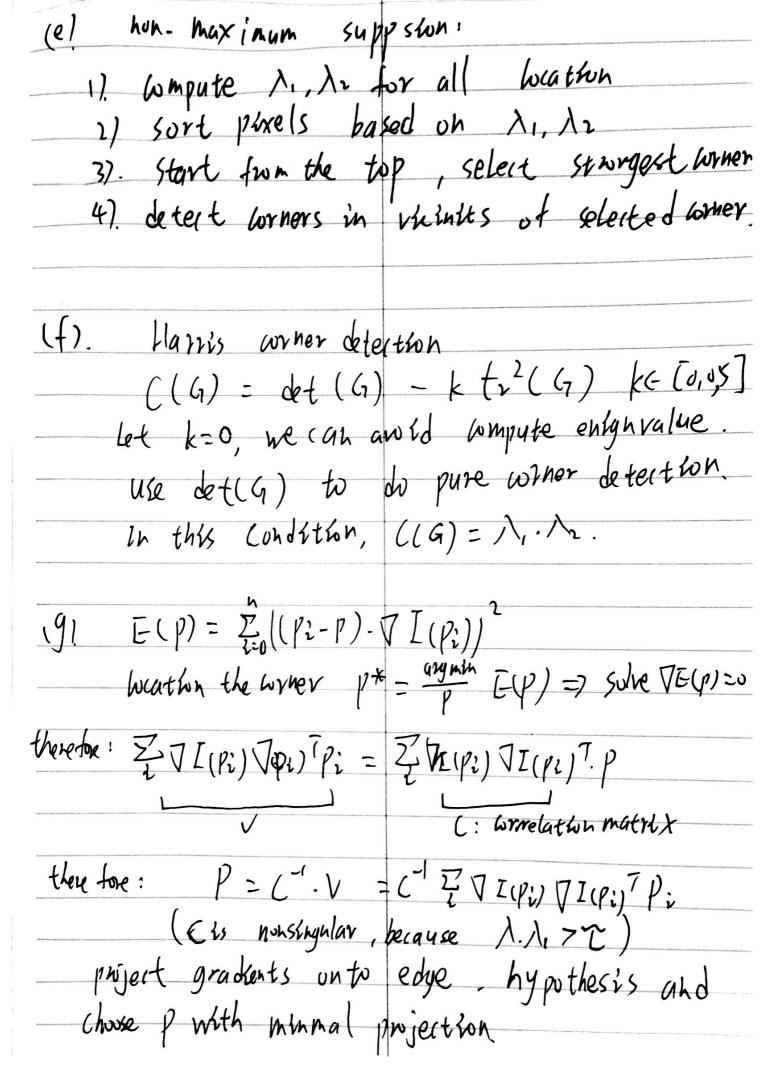
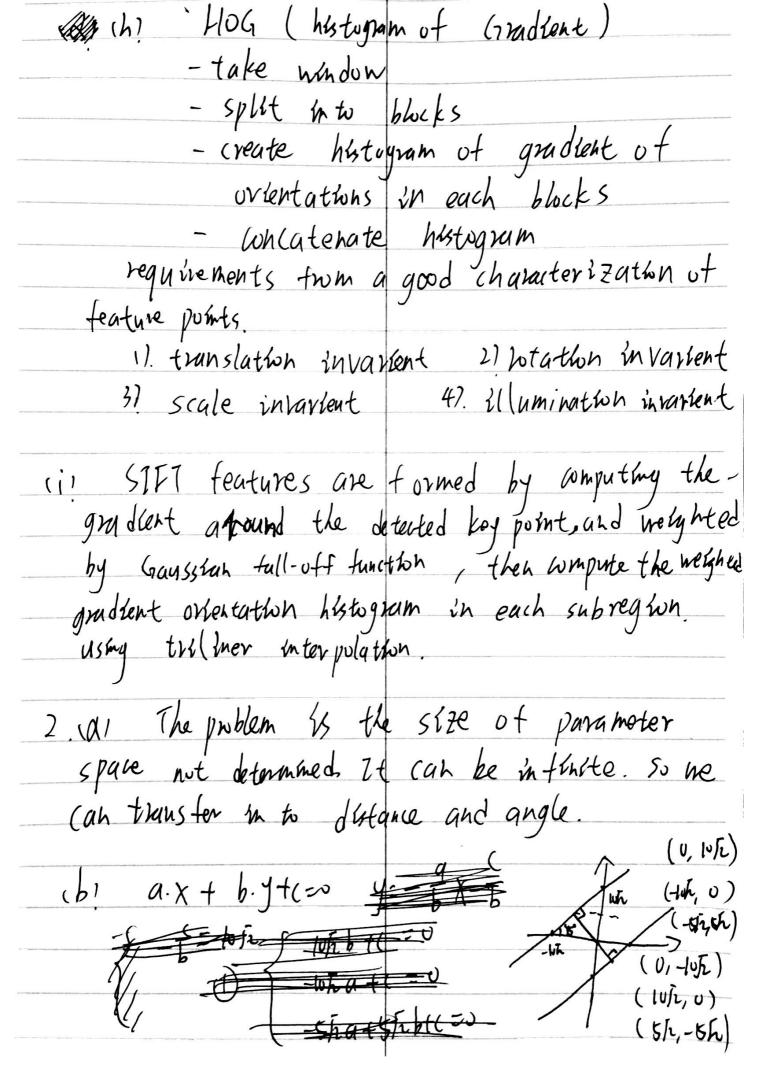
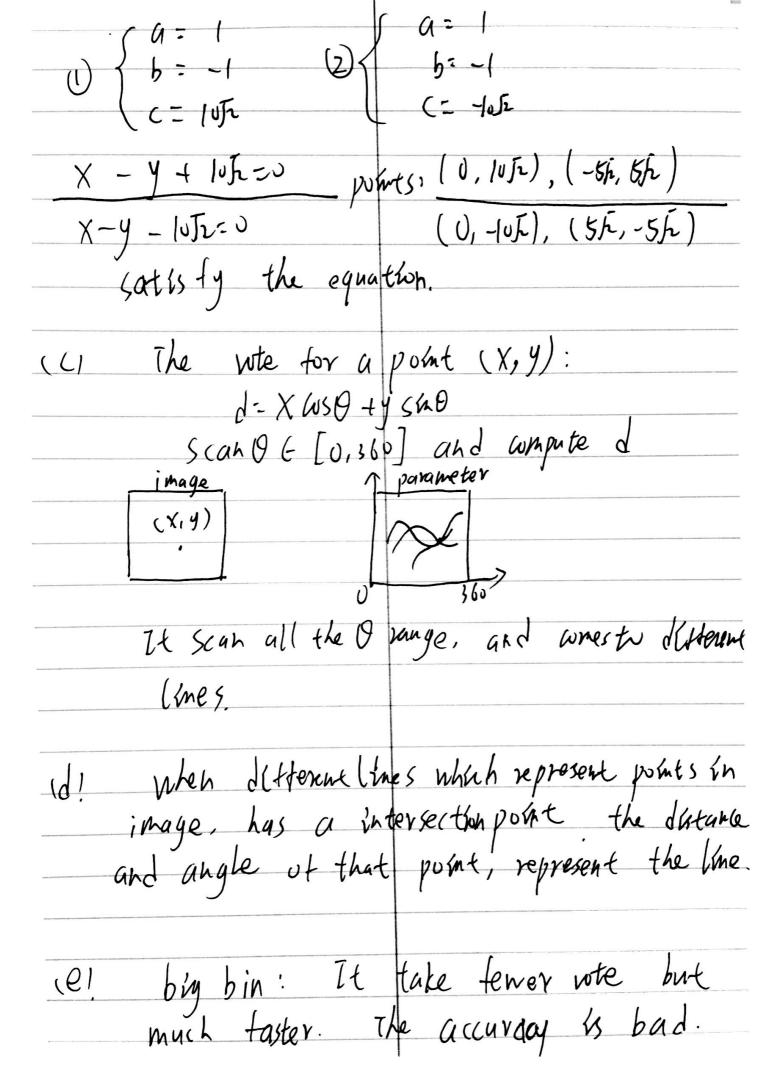
(9).	1) find wroner matrix in boca (heighborhod
	2) find eignvalue of matrix
	3) check that ev, , evi 72
	wrher muse than one directions
	edge, only one direction,
(when: more than one directions edge, only one direction, only significant difference will be want a wrher.
Carry	PCA: find direction to minimal projection. find additional direction subject to being perpendicular to all previous directions.
	car and de cular to all previous devel + sons
	per person cu ion de la price de la price de la constante de l
	- V: 2 X, y, 7 [1+1+1+1 1+2+3]
(2)	$\sum_{i=1}^{n} P_{i} P_{i}^{T} = \sum_{i=1}^{n} P_{i}^{T} P_{i}^{T} = \sum_{i=1}^{n} P_{i}^{T} P_{i}^{T} P_{i}^{T} P_{i}^{T} = \sum_{i=1}^{n} P_{i}^{T} P_{i}^{T$
	9 27 Pi Pi = [Xi Xi Yi] = [1+1+1+1 (+2+3) 27 Pi Pi = [Yi Xi Yi] = [1+2+3 1+4+9+16+1] +x+9
	417
	= [4 6]
	[[44]
(d).	direction are eigenvalues of whe lation
	Matrix which is the projections projectional
	elgenvalue.
	elgenvalue. 1 t means, when Nilz>2, there is a
	wher.







Small bin: more vote and shower than big bin. And it might give no intersection. (f) if the norma (ateach witing points is known, To be more efficient, instead of OE[0,180), take 0 + [0 mm, 0 max] 9, For each wthy plane V, for each Xi y, Scan D and compute a, b. So we wite for (a, b, r). We need 3 dimensions 3. (a). Yeax+b, the disadvantge of this equation is the geometric distance between the prediction and the real point are just minimized. obstances from the pulme to the preduted (me ss small. It can't be fitted accurately. The state of the s N=[1] d=2]: X +2y-2=0 $2^{7} \cdot X = \begin{bmatrix} 1 \\ -2 \end{bmatrix} \begin{bmatrix} x, y, 1 \end{bmatrix} = 0$

9: (pwpothinal) $\frac{di}{dt+\gamma z}$ $d_1 > a_2 \qquad \gamma_2 > \gamma_1$ therefore $\frac{d}{dt\gamma_1} > \frac{d}{dtaz}$ Shore axis aftert more. gov metric objective E(2)= = [1/(1/(pi,1)) This formula is not a linear formula. (h) Ernr Functional $E[\phi(s)] = \int (\alpha(s)) E \omega nt snysty + \beta(s) E \omega nature$ objective Internal + ris) Einage) ds Eunthvity: $\left|\frac{\partial \phi}{\partial S}\right|^{2}$ Eurye = - $\left|\nabla l\right|^{2}$ Ewnthilty = ZIPI-Pirl Ecurvature = 2 ((Pit1 -Pi) - (Pi-Pi-1) / ()! The winthirsty of active wintours |Pi-Pi-11-d to allow tor sharp wracks