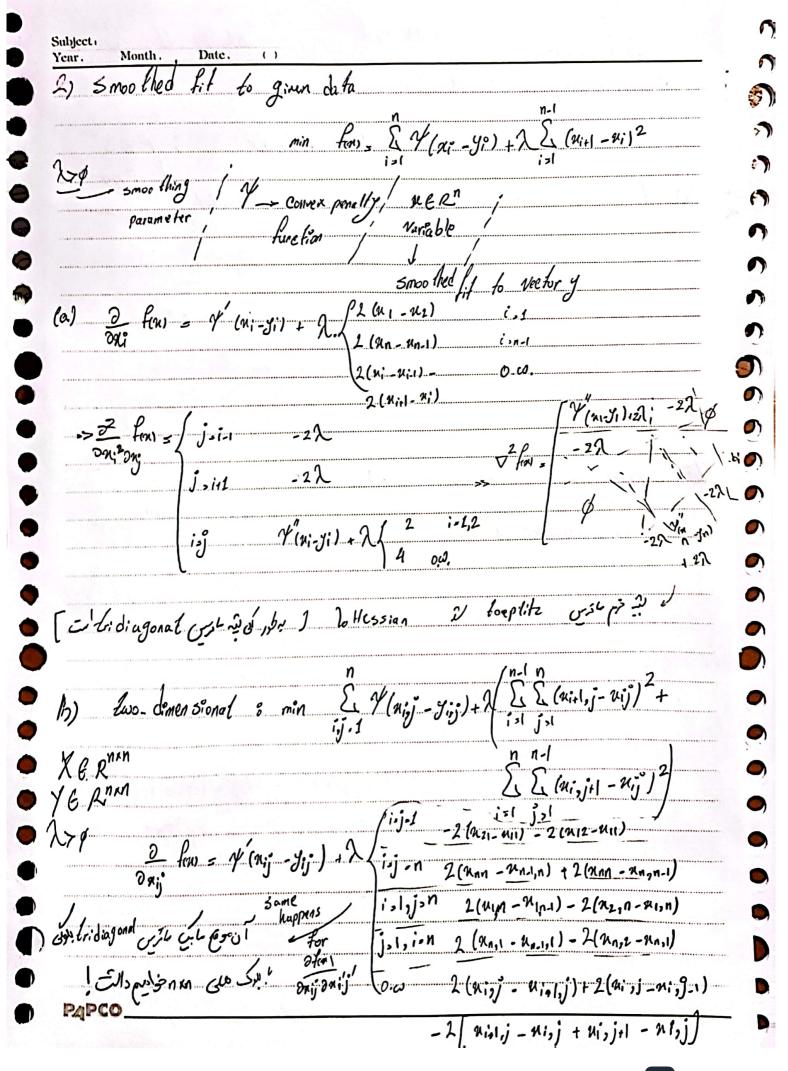
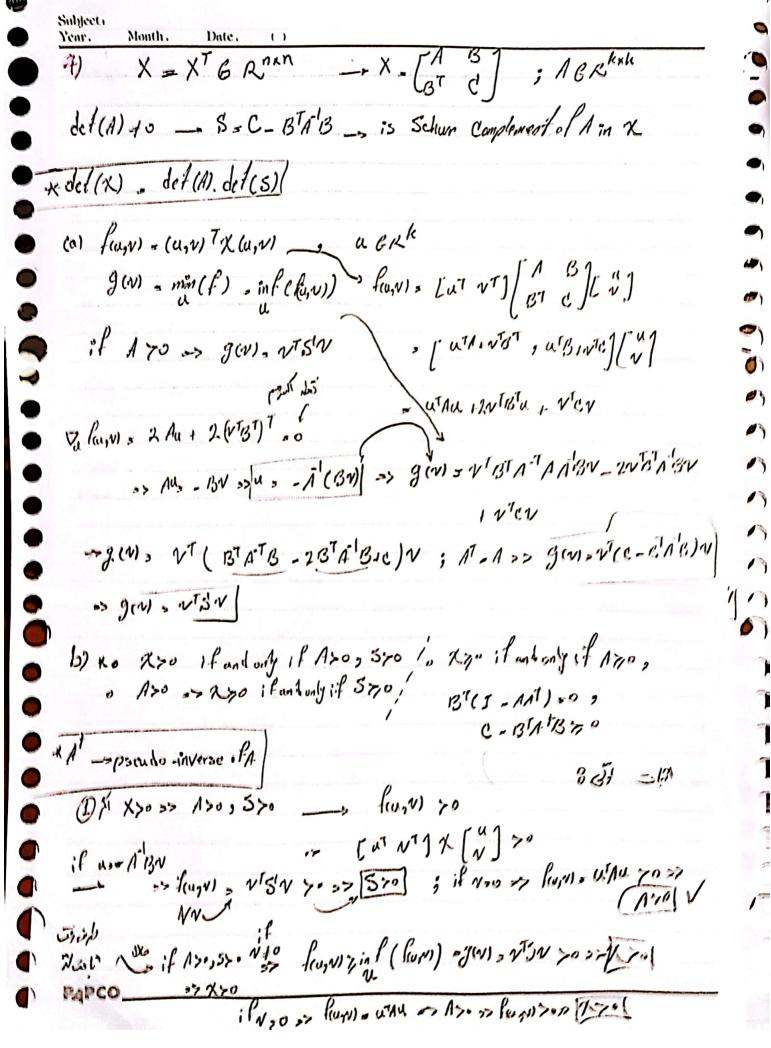
ect. HW7	Convex op t.	819149 511	(3)16%
ect. HW F 7.2722 Month June Date. 3 () Minimizing a quadralic	e harding		(
rinchin 2 gan wan	C 741.07)//(
min	ren) - 1 n Pa	+ 2 x + r ; /	265 ⁿ
) if P70 - fix	not conver _ proble	en is unhounded	מייייייייייייייייייייייייייייייייייייי
-	be	low	
constrained Minimization	· ·		
L> : f Pf .> 3 N	Ton , P c	1 1	
->11 194 .> 34	7777 20 3 FOR W	$(t,t,y), t \rightarrow t^{\infty}$	
m kn) = {2((vTpN)), f (9Th	1)+1 -> (fin) -> -a	
			bel
	Dominant -s	+ -710 ab.41	
		1	1
suppose Pyo (Fis convex),	Dout g does no	1
Paoblem :s un bounded be	ا لني له المن المن المناسلة	havla.Solu10	on .
Paoblent is unbounded be	2/00 23 2 2	<i>a</i> . <i>i</i> . <i>i</i>	(
	$// \longrightarrow \mathcal{R}(P) =$	#9 -> 6° 00 1 00.	→ 9 E R(P)
we can de fine	a quiction of 9 on		
- VIII	, , , , , , , , , , , , , , , , , , ,	12(P) -> 9, N	7-9
NLR(P)n	18	Eucliden	
		mojection	
)	> 1/1/250)		
	> (vTpv) 101	ver = lqTver =	: t(2+v) V+r
		· 1 VTV + 19Th	
57 0		s	
1 → 100 × f → 1.	<u> </u>		
			namental de la companya de la compa



Subject: Year. Month. Date. ()	_
3) Derve the Newton By, for: min 1 ut + 69 & explain	bi) ¬
Al RMAN -> m XXn 3 piùs -> Lo J (Hosian del	
HER -> m 2 <n (="" 3="" concepts;="" do)<="" hosian="" td=""><td></td></n>	
Buts: ai	
2 for = 41 + { an; exp (an + bi) bogius	
$\frac{\partial x_i}{\partial x_i} = \frac{1}{(x_i + x_i)}$	
7 1-m 1-m 1-m	
2 0 (iti 1+ Eai e' E e - (Sai e	I =
i 9 9 (5 a; T n + 5i) 2	= $-$
	מיארא)
1/ 90 1 4 4 4 6	aie
[a; n,bi] Sata	,bi
$\Rightarrow \nabla^2 = H = I + A^T \left(\operatorname{diag}(z) - Z z^T \right) A = Z - e$	·)
0165() 1000	تسلامتن
rank chol system 0 (1 + A ^T (diag(2) -22 ^T)A)Δης = 9 (1 A ^T (diag(2) -	esky 7
	1-(3).1)
2 = diagres - 221 , 2 diagres - 27 (1A - diagres) (A	
(diag(2) + 2 / AA72) DU = 2 / A9 ; m12 in in m3 + m2n	flops
- Outs 3	
(diagre) - zzT) (diagre) - zzT) (diagre) - zzT) = diagre (z) - zzT = L (diagre	1-22)LT -
* (diag(2) - 221) (cir)(0, 20)	
*	
qPCO	



The second secon	easible start Newton yethod for Lp centering
	Snen cta - & log(ni)
) 5.6. Ax=b {
	ARSO
ER MIN	pman A is full was
	LCE R" rank a dual optimal point
	Number of Navion Steps executed
	initia (Z 2 > 0
	THE AT IS DNAT 1 FAT
kT o	(A o) (ev) = (8)) 9, C - (1/4,, 1/m)
(H=diag(122-, 12) H=diag(122-, 12) H=diag(122-, 12) H=diag(122-, 122)
w los tep	• /
	$\left(A\vec{H}A\vec{b} = A\vec{H}g\right)$
	$\Delta A_{H} = -H^{1}(A_{W}+1)$
fina 1.	H ATVX, C- (= 1-1=x) =0 / Kat Convergence
ondition	i the qual of
for	[kk]
	1 1 - 0
) San	ne happens here as huppered in B
	
	•
,,,,,,,,,,,,,,,,,,,,,,,,,,,	

7) Estimation of a vector	from one-bit measurement!
u e R ⁿ	7
	$n(a_i^T x_i + v_i^o = b_i^o) = \begin{cases} 1 & a_i^o x_i + v_i^o > b_i^o \end{cases}$
- 7 di 3 Og	1. (a, x+v, <b;< td=""></b;<>
ai, bi -> known	, ~
Ni~ measurement N	$W(o,1) \rightarrow \phi(v) \cdot (\frac{1}{2} \cdot e^{\frac{1}{2}})$
emor	1212
	0 - 6/2/11
Pr(x) = Prob(y;=1) = 1	$-e^{-dt}$
V24 /bi-	$a_{1}^{T}a$
(() () () ()	1 1 hi-ain - tz 1 t
$1 - P_i(\alpha) = prob(y_i = 1) = \frac{1}{\sqrt{2}}$	21.)_0
61 (cm 5 (69(Piw) , 5	(69 (1- P;(N))
ادبال الوبال	
\int_{-1}^{∞}	
$P_i(\alpha) = \frac{1}{e} \cdot \int_{-e}^{\infty} \frac{-i2}{e}$	dt = 1 - F(bi - aia)
$P_{i}(\alpha) = \frac{1}{2\pi} \cdot \int_{0}^{\infty} \frac{-i2}{e} dx$ $b_{i-a}(\alpha) = \frac{1}{2\pi} \cdot \int_{0}^{\infty} \frac{-i2}{e} dx$	and the state of t
	609 - Concare - Gaussian dist.
$P_{i}(x) = \frac{1}{2\pi} \cdot \int_{0}^{\infty} \frac{e^{-i2\pi}}{e^{-i2\pi}}$ $b_{i-a}(x) = \frac{1}{2\pi} \cdot \int_{0}^{\infty} \frac{e^{-i2\pi}}{e^{-i2\pi}}$ Concare	609 - Concare - Gaussian dist.
Contart	Cog-Concare - Gaussian dist.
Concare maximizal	tion = Convex minimization
Concare maximizal	tion = Convex minimization
Concare maximizal	Cog-Concare - Gaussian dist.
Concare of	tion = Convex minimization ten data / Newton's Method with back hackeing line search
Concart a >> Concre maximizat (b) solve III above / giv $P_{i(-n)} = 1 - P_{i(n)}$? A	Cog-Concare - Baussian dist. - (m) tion = Conver minimization en data / Newton's Method with back hacking line search 1 = diggy1A;
Concart >> Concre maximizal (b) solve III above / gir Pic-n = 1-Picn 3 A	Cog-Concard - Baussian dist. - and Econor minimization tion = Conor minimization en data / Newton's Method with back hackery are search setingly 1A; b, A waship = diagcy 1 b; I man The search
Concare Concare surimizal >> Concare maximizal (b) solve III above / gir Pic-no = 1- Picno) 3 A >> max & Cog (& (An-b)	Cog - Concard - Baussian dist. - Can tion = Convex minimization ren data / Newton's He thod with back hackeing the search s diag(y)A; b, A waship = diag(y) b; b, A waship = diag(y) b; b (w) = L (og (p(wi))
Concare Concare surimizal >> Concare maximizal (b) solve III above / gir Pic-n = 1- Picn 3 A b >> max & log (& (An-b)	Cog-Concare - Baussian dist. - (m) tion = Conver minimization en data / Newton's Method with back hacking line search 1 = diggy1A;

a^2h	ø itj				
Oviluj 3					
00109	- p"(wi) fxvi) - (6 (wis)2	1.1		
Andrew Annales Committee Control of Control	Ø3(wil	And the second second second	, -	£	
NOTICE OF THE PARTY OF THE PART	φιωπ	C WI	_ / _	2.70	
For owner, a companies and beginning and an experience of the companies of	A Section of the Company of the Comp	127. [e ²	21 10	· ((1))	
and the second s	THE REAL PROPERTY AND ADDRESS OF THE PARTY O	12x. 62	J. O.Wil	. 900	
and the second s	CONSTRUCTOR OF THE PROPERTY OF		The State of the Control of the Cont		
)	AND THE RESERVE OF THE PARTY OF	AND THE RESIDENCE OF THE PARTY	The second secon		
man - Marting well Bratton College - Manage	***	and the second second second second			
A AND DESCRIPTION OF THE PARTY	PRODUCTION SECTION SEC	armental position and the second	***************************************	of the side of the state of the side of the side of the state of the side of t	
	Berlin (187) (188) (188) (188) (188) (188)	and the same of th			
		governo inclui de companyo		**************************************	
		***************************************	No. of the Carlot and	vary record options, and the second of the second	
Approximate the second					in the second
Marcer 1982 1 Street William Co. Str. 1982 1 Str. 1982	The contract of the contract o				
	The state of the s	Control of the State of the Sta		20 11 11 11 11 11 11 11 11 11 11 11 11 11	
	The second section of the sect	er de ario estado e	COLUMN TO THE PERSON OF THE PARTY OF THE PROPERTY OF THE PERSON OF THE P	which the property of the second section of the second section is the second section of	
	and the second second second second second second	OF ANDROOM SURFACES - CONT. OFFI	restaur vire care care care a la composition e	the year of the construction of the constructi	
in the reference was also make the resulting	Anna ber later make talen an error of a make talen .	ALTERNATION OF THE PROPERTY OF THE PERSON	CONTRACTOR OF STREET AND CONTRACTOR OF STREET	al record and a second and a second assessment and a	Mark State S
A CONTRACTOR OF THE PARTY OF TH				The second section of the second seco	
	Allgham arthur st. And the inquisity or make proving constitution to the		notice and the second second second second second	AND THE RESERVE OF THE PROPERTY OF THE PROPERT	
A control on the same and the same and				arment are the transfer against the	Lance of
	management via actions of the contribution of				
		. HA CZERNEJ SPOTE DOMASI CIRCURA SIĘC W	Committee of the State of Stat		
The state of the s					
				the state of the s	
gran alleger megasian megasian di kantan di kenangan di menengan di menengan di menengan di menengan di meneng Di				A CONTRACTOR OF THE PARTY OF TH	and the same
today of the dealer of the second of the second	Constitution to a secretary and a second secretary of the second			The state of the s	LV - 2-1
m jamestern op de kou de skiertiere dans	service and property and office and an experience of the service and the servi	enter Little of the Committee of the Com	ALIANIA MAZINATORIAN ZAZIONA PER APPRAMENTALIA	CONTRACTOR CONTRACTOR CONTRACTOR	11/11/11
en i de la composition della c	The second of th	constraint of the second	and the second little to the control of the control	The state of the s	MAN.
and the state of t	подменувания с градилення на виделя в в	Marketon) selectives a second consequence	STOCKET CHARLES CONTRACTOR CONTRACTOR	AND SOME REPORTS OF THE PARTY OF THE PARTY OF THE PARTY.	www.
Managara terratian ang masa sang s	н жиметелфинасыны аналык катыным	u ista ori italiakan arayan a	Marie and Carlos and American American	and the same of the same and the same of t	D
Consider the expension remaining a strategic or					
	The state of the s	and the state of t	CENTRAL PROPERTY OF THE PROPER	The state of the s	20,812.01