7 7×1 6×6	
1) Initialize state and covariance Dector: involved	
1) Initialize state and covariance Hector: involved the Add Noise component -> exemples component to the time of the state of the time of time of time of the time of time	
DYNAMICS EVE MIK	an)
(3) Compute And turn due to it (Any relocity) -> Wat	->∆q
4) Compute Sigma Points # In 15 (2n points) Listurbano vectors	nts)
"Add" die Vectors to 11 . Cloningt diet t	~ (* v.c)
L> "Add" distor Vectors to MK/K (convert dist. t L> SIGMA PTS (.2n) 7XI	
(5) Propogate dynamics -> "Add" DI to each point;	(i) (i) K→Xk+ k
0 -	
Do gradient descent: Leans 3 MKHIK: =	
COVEHIC C	×6
	iomali)
Dempute signapts w/ new MKHIK, E	= [40]
$(2) \sqrt{1 - 1} 1 - $	\ \(\sigma^{(1)}
Dompute Sigma pts W/new MKH/K, ZKH/K Propogate Sigma points C. 9(xi) A	
Sigma points (: 9(xi) 1	
(3) (0) MDU + man = 9(X(1))	
4 Compute 60:	
Eqy = () (3.34) 646	
S AC - S	•
	, }
TE K gain State 19 9 KAIK -> 2 6×6	ی
K= Exy Eny 6x6 W- WENTED TXI	
Oppdate = MKHIKH = MKHILE + K. (4-4)	
© Update = MKHIKH = MKHIK + K. (Y-Y) © OV Update FXI	
a t	

MKHIK, GUKHIK > Celculate Sigma points Incorposate measurement: y = S(i) = S(i) + nyise y = S(i) + nyis

(i) 9 (i) 9 (ii) 9 (ii) V (ii) W (ii) W (ii) W (ii) W (ii) W (iii) W (iiii) W (iii) W

K = Zxy Syy 6' x6 Update => Mrijki = Mkijk + K(Yobs-Ymeen)