- Distributed formation control architecture position position

position

position

center

center rj = [xj, yj] - actual pas.

rj = [xj, yj] - desired pos Commercial by trans of the state of the stat relation is as follow

[x;(t)] [x,(t)] + [cas[e,(t)] - sin[e,(t)] [x;f(t)]

[y;(t)] = [y,(t)] = [sin[e,(t)] · cas[e,(t)] [y;f(t)] Assumption and robot knows state of vistual co. frame denote &=[x, y, oc] T (coordination variable of team) > Due to dynamically changing situational awareness or 0 - 7 d - - - - 0 limited info. exchange City j' vehicle's understanding of vistral coordinate frame

Ey = [acj, ycj, Ocj] See Fig 10.3 N, (1) > set of vehicles whose insta. of co. variable to veh: Ji(t) - position traking errors to vehicle i att. consensus

traking module - drive & to & = [sch, yh, On]



