Dynamic Model convergence analysis Squared error compared to Vicsek Model fixed density $\rho=4$ k = 2k = 3k = 1→ N=40.0 → N=40.0 → N=40.0 1.0 1.0 1.0 → N=100.0 → N=100.0 × N=100.0 → N=400.0 → N=400.0 → N=400.0 N=1600.0 N=1600.0 → N=1600.0 0.8 0.8 0.8 رد 0.6 -0.6 0.6 V_a V_a 0.4 0.4 0.4 0.2 0.2 0.2 0.0 0.0 0.0 2 2 k = 4k = 5k = 6→ N=40.0 → N=40.0 → N=40.0 1.0 1.0 1.0 → N=100.0 → N=100.0 → N=100.0 → N=400.0 → N=400.0 → N=400.0 → N=1600.0 N=1600.0 → N=1600.0 0.8 8.0 8.0 رد 0.6 -0.6 -0.6 0.4 0.4 0.4 0.2 0.2 0.2 0.0 2 2 3 1 2 η η