Title

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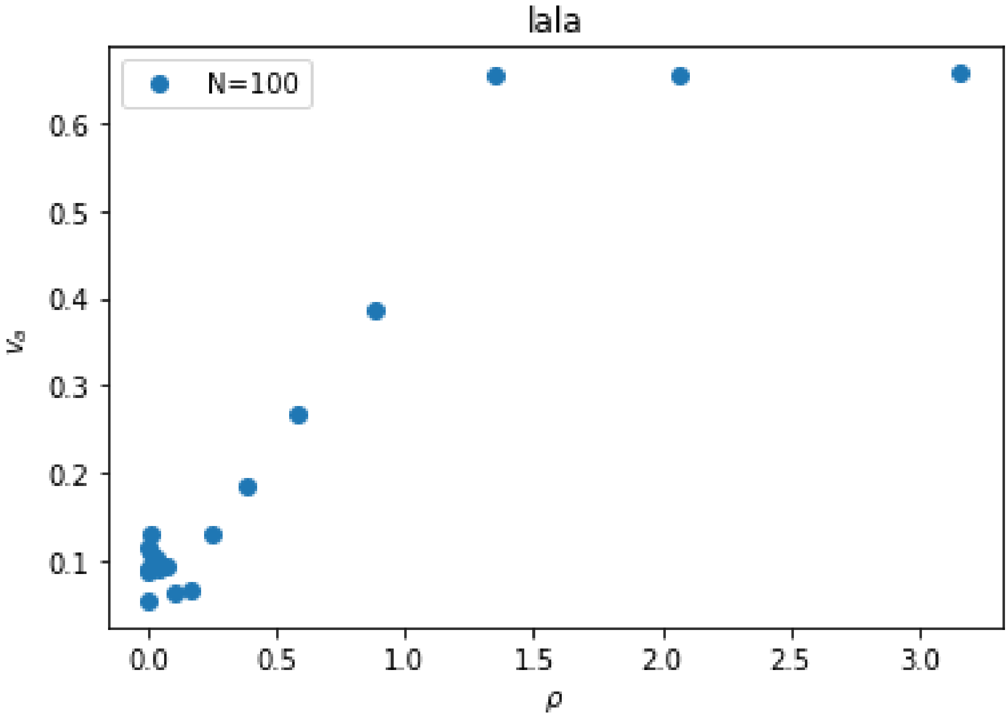
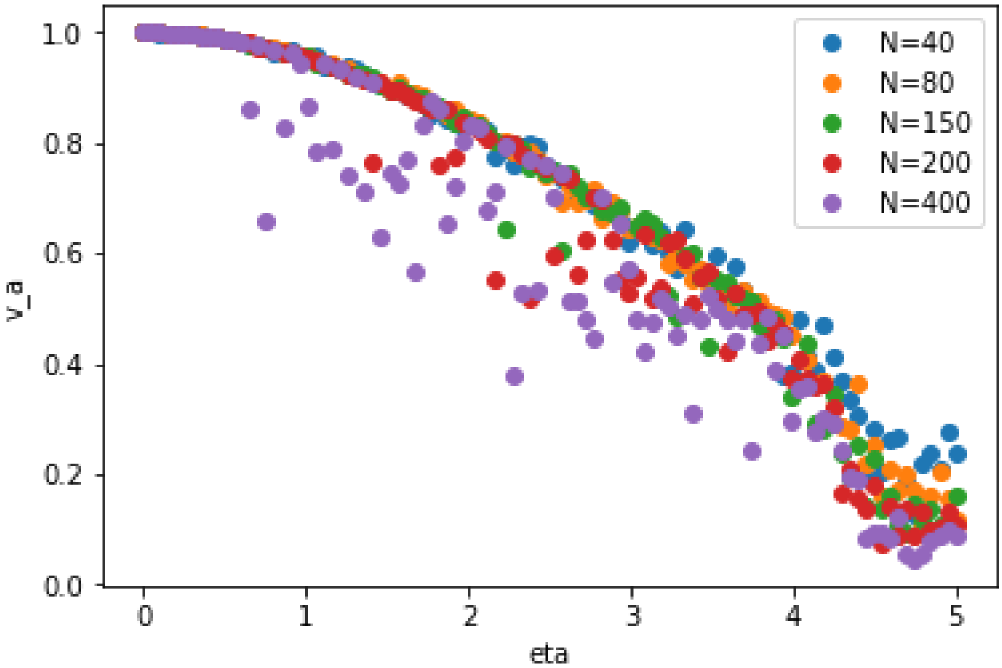
Alignment depends on density. This is similar to the graph in the original paper by Vicsek

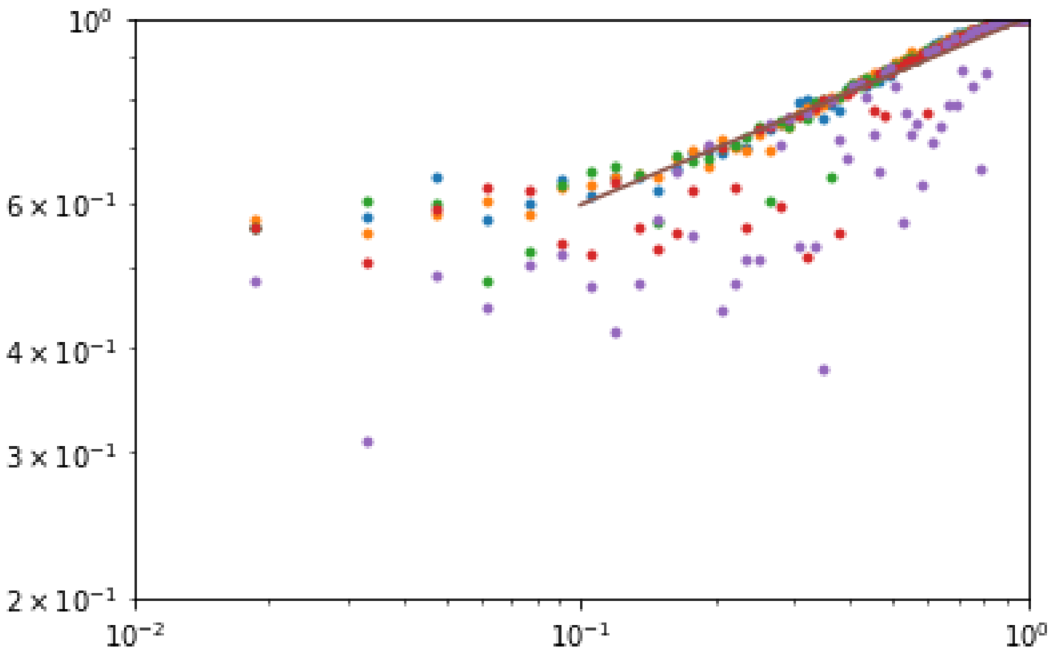


Alignment depends on randomness of motion. The graph overall looks like the one in the Vicsek paper. It sort of has the "tail", but we didn't run it with N large enough to show properly. But one can get a feel for it around the end.

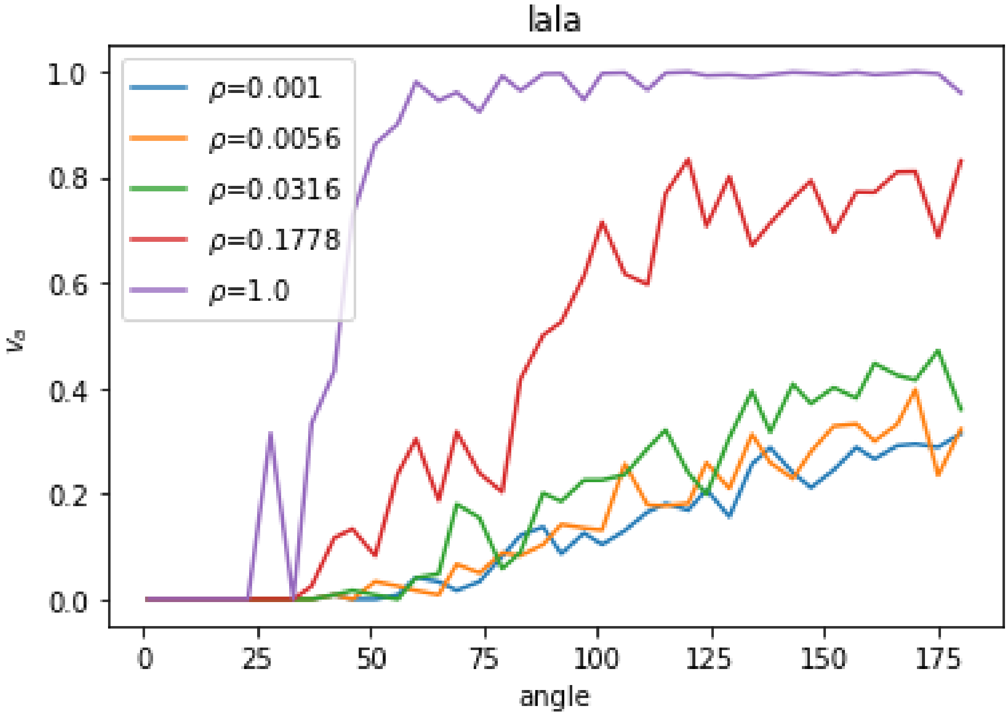
The purple dots don't stick that well to the curve. This is probably because, the alignment reduces when groups collide. This happens more frequently for larger numbers. We have not taken any measures to avoid this.



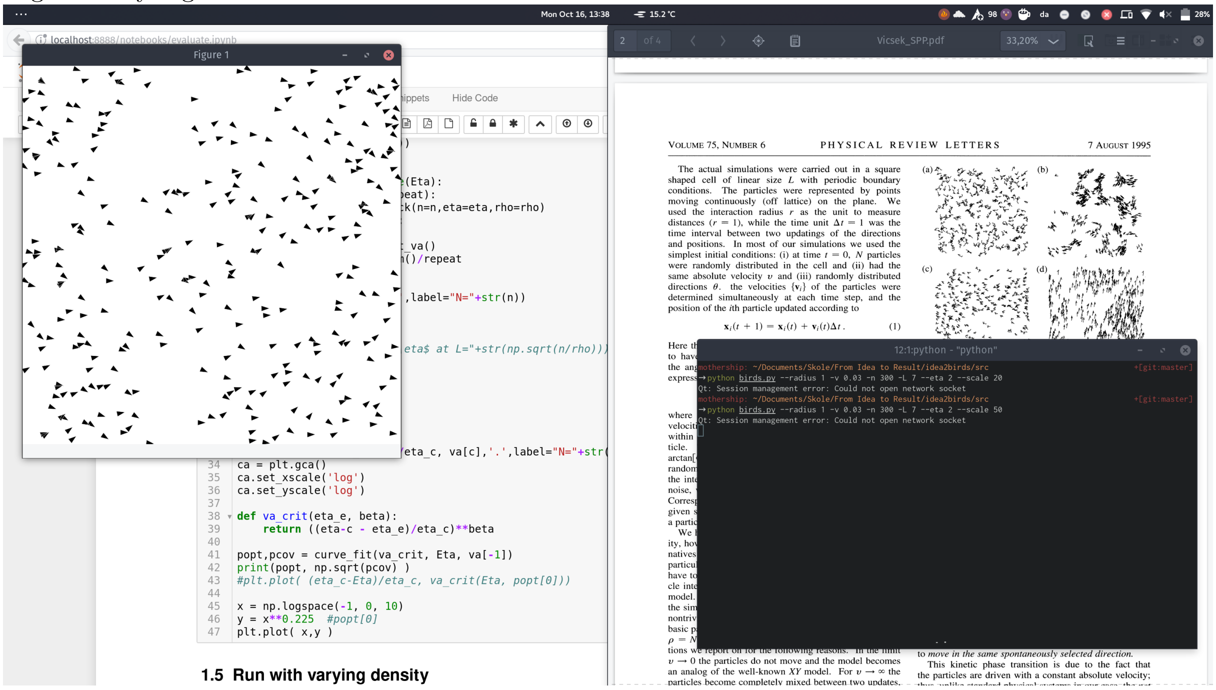
The slope in the log plot is about half that of Vicsek's



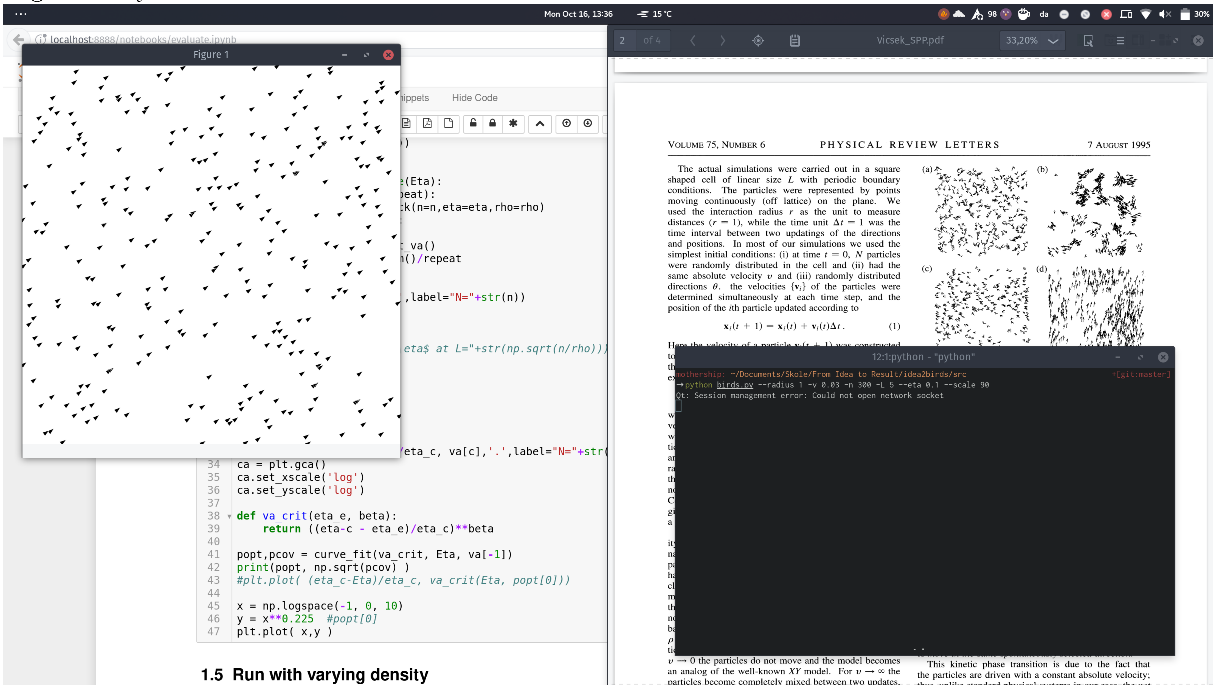
Alignment when varying angle of cone-like vision. The effect is only visible at low densities and randomness. Density is varied in graph, randomness η is set to 0.1



Snaphots of bird motions
High density high randomness



High density low randomness



Low density low randomness