Additional comments to the referees:

Thank you all for your comments. After submitting individual responses, I reconsidered my choice of $\alpha = \epsilon$, and now I do not make this choice, keeping them unequal. I have studied the results at length now, and have found some new issues that I had previously missed. The figures in the new version of my paper are all new and much of the results section is rewritten.

I discovered during the revisions that one case in my previous submission (the $n_1/k = \sqrt{2}$ case) had an incorrect value for the dispersion coefficient. This has now been corrected.

All other changes were discussed in my individual detailed response.