

Texas Tech University. Pure Mathematics Colloquium.
Current Advances in Mathematics.

A bundling problem: Herd instinct versus individual feelings

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ABSTRACT. We discuss several problems on the total loss of heat by n spherical particles in \mathbf{R}^3 as well as questions on the losses of heat by individual particles. Main question here is whether or not particles lose less heat if they move closer to each other in a certain sense. These questions were inspired by observations on the behavioral habits of sleeping armadillos and some other warm-blooded animals.