1147-22-484   **Alexander Sherman*** (`alexsherman@berkeley.edu`), University of California at Berkeley, Department of Mathematics, Berkeley, CA 94720. *Spherical Supervarieties.* Preliminary report.
Spherical varieties are heavily studied due to their connections with geometry, representation theory, and combinatorics. We introduce the notion of a spherical supervariety, a generalization to the context of superschemes with actions of Lie supergroups. Some of their basic properties will be explained. Thereafter some examples and classification results for certain classes of spherical varieties will be detailed. (Received January 24, 2019)