1056-55-1638   **Gunnar Erik Carlsson*** (`gunnar@math.stanford.edu`), Mathematics Department, Stanford University, Stanford, CA 94305. *Algebraic aspects of persistence.*

I will talk about various kinds of persistence, which is a methodology which allows one to study topological properties of point cloud data sets. This will include multidimensional persistence as well as zig-zag persistence, together with methods for carrying out computations. (Received September 22, 2009)