1093-55-171   **David Ayala*** (`davidayala.math@gmail.com`), 1670 N Sierra Bonita Ave, Pasadena, CA 91104.
Poincaré Koszul duality, naively. Preliminary report.

We present a common generalization of Poincaré duality and of Koszul duality. The central construction is that of
"Factorization Homology" – a recent class of manifold invariants which simultaneously generalizes classical homology,
and which is known to be sensitive to more than the underlying homotopy type of manifolds. Specifically, we will see
Koszul duality mechanically generalize the role of the dualizing sheaf of a (possibly structured, possibly singular) manifold.
A few explicit instances and classical applications will be mentioned. (Received August 12, 2013)