1073-14-108   **June Huh*** (`junehuh@umich.edu`). *Correspondences between $\mathbb{P}^n$ and log-concave sequences in combinatorics.*

Correspondences between $\mathbb{P}^n$ are one of the very first topics in algebraic geometry. In modern language, a correspondence between $\mathbb{P}^n$ is an integral homology class of $\mathbb{P}^n \times \mathbb{P}^n$ corresponding to a subvariety. We discuss numerical characterization of correspondences between $\mathbb{P}^n$ and their relation to log-concave sequences in combinatorics. (Received July 29, 2011)