MIKE KNAPP, Loyola University Maryland
Sextic forms over extensions of $\mathbb{Q}_{2}$
In this talk, we determine the minimum number of variables needed to guarantee that a homogeneous polynomial of the form $a_{1} x_{1}^{6}+a_{2} x_{2}^{6}+\cdots+a_{s} x_{s}^{6}$ has a nontrivial zero in certain quadratic extensions of $\mathbb{Q}_{2}$.

