

1077-15-2067      **Dominic Kramer\*** ([kramerd@iastate.edu](mailto:kramerd@iastate.edu)). *Identifying a Basis in a Frame.*

Given a frame, we present a convex optimization problem that identifies a subset of the frame that is a basis with some nice properties. In particular, if the frame is a union of two orthonormal bases, we show that the solution to the optimization problem identifies these bases. This is joint work with Eric Weber and Mark Lammers. (Received September 22, 2011)