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**Albert Fannjiang\*** (fannjiang@math.ucdavis.edu), **Pengwen Chen** and **Gi-Ren Liu**. *Phase Retrieval and Ptychography with Coded Diffraction Patterns*.

We discuss the convergence properties of various alternating projections algorithms for phase retrieval with coded diffraction patterns. We propose a novel initialization method that produces high-quality initial guesses and we present an error bound for the initialization method. (Received August 23, 2016)