1176-14-242 **Patricio Gallardo Candela***, UC Riverside, Department of Mathematics, 900 University Ave. Riverside, CA 92521, Riverside, CA , and **Benjamin Schmidt**. *Non-reduced schemes and compactifications of the moduli of points in the plane.*

We report ongoing work with Benjamin Schmidt on compactifications of the moduli of unlabelled points in the plane. These compactifications are obtained via GIT quotients of both the Hilbert scheme and its birational models constructed with Bridgeland stability. In particular, we describe the role of non-reduced points and the existence of a compactification that is the opposite of the familiar Chow quotient. (Received January 24, 2022)