1145-13-1146   **Jackson Autry*** (`jautry@sdsu.edu`). *Membership and Elasticity in Certain Affine Monoids.*
For affine monoids of dimension 2 with embedding dimension 2 or 3, we study the problem of determining when a vector is an element of the monoid, and the problem of determining the elasticity of a monoid element. (Received September 19, 2018)