1158-05-207　　　　　**Eduardo Torres Davila*** (`etdavila10@gmail.com`), **Tara Gomes** and **Christopher O'Neill**.
Minimal Presentation of Kunz Posets.

Several recent papers have examined a rational polyhedron P_m whose integer points are in bijection with the numerical semigroups (cofinite, additively closed subsets of the non-negative integers) containing m. A combinatorial description of the faces of P_m was recently introduced, one that can be obtained from the divisibility posets of the numerical semigroups a given face contains. We extend the notion of a minimal presentation of a numerical semigroup to posets and use it to determine the dimension of the corresponding face. (Received March 01, 2020)