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**Nicholas R Baeth\*** ([nicholas.baeth@fandm.edu](mailto:nicholas.baeth@fandm.edu)), Department of Mathematics, Franklin & Marshall College, Lancaster, PA 17604. *Multiplicative factorization in numerical semigroups*. Preliminary report.

Though usually studied as an additive structure, each numerical semigroup is closed under multiplication and, with respect to this less-studied operation, is arithmetically interesting. With respect to multiplication, other than the trivial  $\mathbb{N}$ , numerical semigroups are non-Krull  $C$ -monoids. In this talk we classify the multiplicative atoms of numerical semigroups and give some characterization of their arithmetic. (Received February 19, 2020)