

1176-13-50

**Nicholas Baeth, Terri Bell and Courtney R. Gibbons\*** (crgibbon@hamilton.edu),  
Department of Mathematics and Statistics, Hamilton College, 198 College Hill Road, Clinton, NY  
13323, and **Janet Striuli**. *Divisor sequences in Krull monoids*.

An atom  $a$  in a monoid is an irreducible element, and its divisor sequence counts the number of distinct atomic divisors of powers  $a$ . We discuss which divisor sequences can occur (and some that cannot) for atoms in Krull monoids. We then introduce a general technique to construct new divisor sequences from old. (In memory of Nicholas Baeth, 1978-2021) (Received January 10, 2022)