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**Amy Feaver\*** ([amy.feaver@kingsu.ca](mailto:amy.feaver@kingsu.ca)), T5W 4C4, Canada. *Supprime Fibonacci Numbers.*

Richard Guy et. al. was inspired by Conway to study subprime Fibonacci numbers. Motivated by the work of R. Guy, T. Khovanova and J. Salazar, we consider subprime Fibonacci sequences: that is, if we modify the Fibonacci recurrence relation so that the result is (1) left alone if the sum is prime or (2) divided by the largest prime factor if the sum is composite, then what will the resulting sequence be? In this talk, we look at the possible cycles that can result if we start with any two initial terms, and create a sequence using this recurrence relation. These are joint results with K. Hammer, K. Lasola, M. Neguisse and V. Yasa. (Received January 19, 2020)