

1077-00-1424 **Fanya Wyrick-Flax*** (ff9267@bard.edu) and **Benjamin Warren** (bwarren@ramapo.edu).
Algebraic Tchoukaillon Representations. Preliminary report.

We present three algebraic representations of the sowing game Tchoukaillon and construct maps translating between each representation. These maps yield information about the relationships between the pit size and move sequences and in addition enable us to construct a binary addition operation on Tchoukaillon boards. (Received September 19, 2011)