1086-VM-988   **Thomas M McKenzie*** (`mckenzie@gonzaga.edu`). *Uniformly Distributed Sequences.* Preliminary report.

We begin by expressing many well-known results on second ordered linear recurrences over $\mathbf{Z_p}$ in terms of matrices, eigenvectors, and eigenvalues. Then we show that such sequences are uniformly distributed if and only if the eigenvectors form a $G-$module. We then use this result to study uniformly distributed sequences over finite rings. (Received September 17, 2012)