

1046-11-1530 **Tue Ngoc Ly*** (1ntue@yahoo.com), 14505 Prism Circle, Apt. 303, Tampa, FL 33613. *Groups of linear functions on Z_n .*

There are many problems of linear functions on finite rings. Among those are some iteration problems that are simply stated but extremely hard to prove, such as the $3x + 1$ conjecture, or the greatest prime factor conjecture, that dealing with divisibility, periodicity of linear functions. Study about linear functions on finite rings may provide more information about these questions. In this presentation, I will talk about some properties and structures of groups of linear functions on the ring Z_n . (Received September 15, 2008)