1077-47-1434   **Gabriel T Prajitura*** (`gprajitu@brockport.edu`). *The many faces of linear chaos.* Preliminary report.

There are many definition of chaotic behavior. In the particular case of linear operators on Hilbert spaces these definitions are equivalent to simpler conditions. Moreover, in this context there are several relations between the different concepts of chaos which do not exist in the general case. (Received September 19, 2011)