

1125-AE-2099 **Johanna Mangahas*** (mangahas@buffalo.edu). *Ping-Pong for Free Groups*.

This talk is for anyone curious to understand and appreciate Ping-Pong. The Ping-Pong Lemma gives a method for detecting a free group. Simple yet useful, it neatly illustrates the geometric group theory tenet that one can get to know a group by observing its action on a space. (Received September 19, 2016)