

1154-46-1846 **Weihua Li*** (wli@colum.edu). *Unitary topological free entropy*. Preliminary report.

Motivated by the book "The semicircle law, free random variables and entropy" written by Fumio Hiai and Dénes Petz, we introduce the unitary topological free entropy, and obtain an exact formula of the unitary topological free entropy for a single unitary. (Received September 16, 2019)