Hoi Nguyen*, 231 West 18th Avenue, Columbus, OH. Norm of product of many large random matrices.

Suppose that $A_1, \ldots, A_N$ are independent random matrices of size $n$ whose entries are iid copies of a random variable $\xi$ of mean zero and variance one. It is known from the late 80s that when $\xi$ is standard Gaussian then $N^{-1} \log \|A_N \ldots A_1\|$ converges to $\log \sqrt{n}$ as $N \to \infty$. We will establish similar results for more general matrices with explicit rate of convergence. (Received August 19, 2019)