1172-47-301 **Marat V. Markin*** (mmarkin@csufresno.edu), Department of Mathematics, California State University, Fresno, 5245 N. Backer Avenue, M/S PB 108, Freno, CA 93740-8001. *On the Chaoticity of Derivatives.* Preliminary report.

We introduce a general sufficient condition for linear chaos and thereby show that the nth derivative with maximal domain is a chaotic operator in the spaces $C[a, b]$ and $L_p(a, b)$ $(-\infty < a < b < \infty,\ 1 \leq p < \infty)$ for each $n \in \mathbb{N}$. (Received August 30, 2021)