1108-32-453   **Sivaguru Ravisankar*** (`sivagr@okstate.edu`), Department of Mathematics, Oklahoma State University, Stillwater, OK 74078. *Tangential Lipschitz Gain for Holomorphic Functions on Domains of Finite Type.*

E. Stein discovered that Lipschitz holomorphic functions on a smoothly bounded domain enjoy a doubling in their order of Lipschitz regularity along complex tangential curves near the boundary. This gain by a factor of two is sharp only in strongly pseudoconvex domains and a better gain is expected otherwise. After a mild reformulation, we show that the order of tangential Lipschitz gain for holomorphic functions near a point of finite type is closely related to the type and we describe this explicitly in terms of the defining function. (Received January 19, 2015)