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Vasileios Chousionis, Sean Li and Scott Zimmerman* (zimmerman.416@osu.edu). *Singular integrals on regular, smooth curves in Carnot groups and Banach duals.*

The modern study of singular integral operators on curves in the plane began in the 1970's. Since then, there has been a large volume of work done regarding the boundedness of singular integral operators defined on lower dimensional sets in Euclidean spaces. In recent years, mathematicians have attempted to push these results into a more general metric setting. In this talk, I will discuss some recent progress with V. Chousionis and S. Li regarding SIOs along $C^{1,\alpha}$ curves in Carnot groups and a similar result for curves in the dual of any separable Banach space. (Received January 15, 2021)