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Brandon Hanson* (brandon.w.hanson@gmail.com), ATHENS, GA 30605, and **Brandon Hanson, Oliver Roche-Newton** and **Misha Rudnev**. *Higher order convexity and iterated convolution.*

We discuss recent progress on the relationship between how the additive structure of a set of real numbers is perturbed by functions with non-vanishing derivatives. Joint with P. Bradshaw, O. Roche-Newton and M. Rudnev. (Received February 16, 2021)