

1145-47-2670 **Torrey M Gallagher*** (tmg012@bucknell.edu). *Recent results for mean nonexpansive mappings.*

Mean nonexpansive mappings were introduced by Goebel and Japon Pineda in 2007 as a generalization to the usual notion of a nonexpansivity. There have been many results pertaining both to the general, operator-theoretic behavior of mean nonexpansive mappings as well as their fixed point properties. We will present an overview of these results, including basic fixed point theorems, a classification of mean isometries, a demiclosedness principle, and a generalization of the definition with open questions highlighted throughout the presentation. (Received September 25, 2018)