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Khairul Saleh*, Dept. of Math and Stat, KFUPM, Dhahran, Eastern , Saudi Arabia. *On asymptotically nonexpansive mappings with nonconvex domain.*

In this talk, we discuss the existence of fixed point of an asymptotically nonexpansive mapping on nonconvex domain in uniformly convex Banach space. We also introduce the notion of λ -firmly asymptotically nonexpansive mapping and prove the existence of fixed point of the mapping in nonconvex domain. (Received August 04, 2020)