

998-54-130

Antonio Pelaez* (pelaez@matem.unam.mx), Instituto de Matematicas, UNAM, Circuito exterior, Ciudad Universitaria, 04510 Mexico, D. F., Mexico. *Generalized Inverse Limits*.

Recently, Professor Mahavier defined an inverse limit of a sequence of closed subset of $[0, 1] \times [0, 1]$. We use that definition and we construct, for a given $n \in \mathbb{N}$, an inverse limit of a sequence of closed subset of $[0, 1] \times [0, 1]$ having dimension equal to n . (Received February 20, 2004)