

**Meeting:** 1006, Lubbock, Texas, SS 1A, Special Session on Topology of Continua

1006-54-238      **Jorge M Martinez-Montejano\*** (jorge@matem.unam.mx). *Compactifications of  $[0, \infty)$  are  $F_n$ -determined if  $n$  is different from 3.*

Sam B. Nadler Jr. introduced the following terminology:

The members of a class  $\Lambda$  of continua are said to be  $C$ -determined provided that if  $X, Y \in \Lambda$  and  $C(X) \approx C(Y)$ , then  $X \approx Y$ .

An analogous of Nadler's terminology is as follows:

Let  $n$  be a natural number. The members of a class  $\Lambda$  of continua are said to be  $F_n$ -determined provided that if  $X, Y \in \Lambda$  and  $F_n(X) \approx F_n(Y)$ , then  $X \approx Y$ .

It is shown that if  $n$  is different from 3, then the compactifications of  $[0, \infty)$  are  $F_n$ -determined. (Received February 15, 2005)