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 Λ 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 Λ 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)