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Jila Niknejad* (jila@ku.edu). *Normal Images of the Products and Countably Paracompact Images.*

In 1997, Buzjakova proved that for a pseudocompact Tychonoff space X and $\kappa = |\beta X|^+$, X condenses onto a compact space if and only if $X \times (\kappa + 1)$ condenses onto a normal space. This is a condensation form of Tamano's theorem. An interesting problem is to determine how much of Buzjakova's result will hold if "pseudocompact" is removed from the hypothesis.

In this talk, I am going to show for a Tychonoff space X , there is a cardinal κ such that if $X \times (\kappa + 1)$ condenses onto a normal space, then X condenses onto a normal, countably paracompact space. (Received September 09, 2017)