1154-54-440 **Pawel Krupski** and **Murat Tuncali*** (muratt@nipissingu.ca). *Maps of rank $\leq \mathfrak{m}$ revisited.*
Let $f : X \longrightarrow Y$ be a function and let $\mathfrak{m}$ be an infinite cardinal. Then we say that the rank $r(f)$ of f is $\leq \mathfrak{m}$ if

$$|\{y \in Y : |f^{-1}(y)| > 1\}| \leq \mathfrak{m}.$$

If $\mathfrak{m} = \aleph_0$ then f is of countable rank. In this talk, we present some general properties and invariants of rank $\leq \mathfrak{m}$ maps. We also show there are close relationships between them and monotone maps . Monotone maps on surfaces are approximated by countable rank monotone maps if the set of local separating points of the range space has the countable closure. (Received September 04, 2019)