## 1033-54-167 D. Daniel, J. Nikiel, L.B. Treybig and Murat Tuncali<sup>\*</sup> (muratt@nipissingu.ca), North Bay, Ontario, Canada, and E.D. Tymchatyn. Lifting Paths on Quotient Spaces.

Let X be a compactum and G an upper semi-continuous decomposition of X such that each element of G is the continuous image of an ordered compactum. If the quotient space X/G is the continuous image of an ordered compactum, under what conditions is X also the continuous image of an ordered compactum? Examples around the (non-metric) Hahn-Mazurkiewicz Theorem show that one must place severe conditions on G if one wishes to obtain positive results. We prove that the compactum X is the image of an ordered compactum when each  $g \in G$  has 0-dimensional boundary. We also consider the case when G has only countably many non-degenerate elements. These results extend earlier work of D. Daniel in a number of ways. (Received September 10, 2007)