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Dale Daniel* (dale.daniel@lamar.edu), Lamar University, Department of Mathematics,
Beaumont, TX 77710-0047. *Local Separating Points and Finite Oscillation.*

Suppose that G is an upper semi-continuous decomposition of a locally connected continuum X into continua so that g is the continuous image of a compact ordered space for each g in G . Suppose further that f is a continuous map of an arc onto X/G . We investigate conditions on X , f , and G sufficient to ensure that X is the continuous image of an arc. We initially focus on the inverse under f of the set of local separating points of X/G . This leads naturally to a study of related results on mappings of finite oscillation of cyclic images of arcs with certain natural conditions imposed on the set of local separating points. (Received September 06, 2007)