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**Clinton P Curry\*** (clintonc@uab.edu), Department of Mathematics, University of Alabama at Birmingham, 455 Campbell Hall, Birmingham, AL 35294-1170. *Recognizing Indecomposable Continua in Surfaces from their Complements.*

We say a continuum is indecomposable if it is not the union of two proper subcontinua. Let  $X$  be a continuum in a closed surface  $S$ . We are interested in detecting some degree of indecomposability of  $X$  from how it interacts with its ambient space. An example of one such result follows: If  $X$  is the limit of an infinite sequence of *distinct* components of  $S \setminus X$ , then  $X$  is either indecomposable or the union of exactly one pair of indecomposable continua. We discuss this and other results in this direction. (Received September 11, 2007)