



Tabrina M. Smith (tsmith@lec.edu), Department of Mathematics, Lake Erie College, Painesville, OH 44077, USA, *Algebraic Complements and Ranges of Linear Operators*.

ABSTRACT. I will show that if N is a non-closed algebraic complement of a non-empty closed subspace in an infinite-dimensional Banach space, then N is not the range of a continuous linear operator on a Banach space.

An application to Hamel Bases will be given also.