1047-30-444 M. A. Snipes*, UM Department of Mathematics, 530 Church Street, Ann Arbor, MI 48109-1043. Wolfe's theorem in Banach spaces.

In Euclidean space, Wolfe's theorem states that the space of flat differential forms is dual to the space of geometric objects called flat chains. We will discuss a generalization of this theorem to the Banach space setting. (Received February 03, 2009)