

1032-46-22

Erich A. McAlister* (mcalister_e@fortlewis.edu), Department of Mathematics, Fort Lewis College, 1000 Rim Dr., Durango, CO 81301. *Computation of K -theory for Noncommutative CW -complexes*. Preliminary report.

Noncommutative CW -complexes are C^* -algebras modeled on the algebra of continuous functions on a finite CW -complex. In this talk we will discuss an algorithmic way to compute the K -theory of such a C^* -algebra, at least up to dimension 2. By way of two examples we will notice when this algorithm breaks down and some simple ways of continuing when it does. (Received July 09, 2007)