ON REPRESENTABLE LINEARLY COMPACT MODULES, PROC. AMS (SCI) 130 (2002), 1927-1936

Nguyen Tu Cuong, Le Thanh Nhan

TÓM TẮT:

In this paper, we show that if F is a flat R-module then Hom_R(F,-) is an exact functor from the category of linearly compact modules to itself. Moreover, if M is representable then so is Hom_R(F,M). This gives an anfirmative answer to an open question given by L. Melkersson in 1985 for linearly compact modules.