

1044-37-96

**Judy A Kennedy, Brian E Raines and David R Stockman\*** (stockman@udel.edu),  
Economics Department, Purnell Hall, University of Delaware, Newark, DE 19716. *SRB Measures  
for Inverse Limit Spaces.*

Let  $f : X \rightarrow X$  where  $X$  is a compact metric space and  $f$  is continuous and  $Y := \varprojlim(X, f)$  and  $F : Y \rightarrow Y$  being the induced homeomorphism. If  $\mu$  is an *SRB* measure for  $f$  on  $X$ , we induce a measure  $m$  on  $Y$  and show that this induced measure is an *SRB* measure for  $F$ . Conversely, if  $m$  is an *SRB* measure for  $F$  on  $Y$ , we induce a measure  $\mu$  on  $X$  and show that this induced measure is an *SRB* measure for  $f$ . (Received August 25, 2008)