

**Abstract:** For a class of modules  $\mathcal{C}$ , we study the class  $\varprojlim \mathcal{C}$  of modules that can be obtained as inverse limits of modules from  $\mathcal{C}$ . In particular, we investigate how additional properties of the class  $\mathcal{C}$  are reflected by properties of the class  $\varprojlim \mathcal{C}$ . We also address the question of whether for a given module  $M$ , every inverse limit of products of  $M$  is an inverse limit of finite products of  $M$ . We provide examples of modules for which the answer is positive, negative, and for which there is a reason to believe that it depends on additional set-theoretic assumptions.