998-13-106 **Ryo Takahashi\*** (takahasi@math.okayama-u.ac.jp), Faculty of Science, Okayama University, 1-1, Naka 3-chome, Tsushima, 700-8530 Okayama, Japan. *The category of modules of G-dimension zero.* Preliminary report.

Let R be a commutative Noetherian local ring. Denote by modR the category of finitely generated R-modules, and by  $\mathcal{G}(R)$  the full subcategory of modR consisting of all R-modules of G-dimension zero. Suppose that R is Henselian and non-Gorenstein, and that there is a non-free R-module in  $\mathcal{G}(R)$ . Then  $\mathcal{G}(R)$  is not contravariantly finite in modR if R has depth at most two. (Received February 17, 2004)