Summary: In this paper, we prove that the $(\omega + 1)$-projective $\Sigma$-modules are direct sums of countably generated modules each of which has length at most $(\omega + 1)$. We also give an example that this is not true for all other $(\omega + k)$-projectives with $2 \leq k < \omega$. Certain related assertions are established as well. These results are then used to discuss the class of highly essentially finitely indecomposable modules.

MSC:
16-XX Associative rings and algebras
20-XX Group theory and generalizations

Keywords:
QTAG-modules; $(\omega + 1)$-projective modules; separable modules

Full Text: DOI

References:
[1] Ahmad, M.; Ansari, AH; Khan, MZ, On Subsocles of $(S_2)$-modules, Tamkang J. Math., 11, 2, 221-229 (1980) - Zbl 0472.16014

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