

GORENSTEIN FLAT AND PROJECTIVE (PRE)COVERS

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ABSTRACT. We consider a right coherent ring R . We prove that the class of Gorenstein flat complexes is covering in the category of complexes of left R -modules $\text{Ch}(R)$.

When R is also left n -perfect, we prove that the class of Gorenstein projective complexes is special precovering in $\text{Ch}(R)$.

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