Derived Category

1   Construction

Definition 1 (Derived category)**.** Let **A** be an abelian category. The *derived category* D(**A**) is defined by the following universal property: for any $\mathcal{H}om\ \mathcal{H}om\ \mathcal{E}xt\ \mathcal{L}\ \mathcal{abcd}\ \mathfrak{p}\ \mathsf{k}\ \mathsf{k}$.