CATEGORY THEORY - PREREQUISITES

Here we discuss prerequisites for notes in this directory. The classical book [Mac Lane, 1998] is a standard reference for categories. Book [Freyd, 1962] concerns abelian categories. Among many usefull results and interesting exercises it also contains the proof of the celebrated Freyd-Mitchell theorem. The article [Grothendieck, 1957] is another standard work on abelian categories. It was written in order to provide a general framework for homological algebra. We refer to the specific parts of these three sources when needed.

REFERENCES

[Freyd, 1962] Freyd, P. (1962). *Abelian categories: the inside theory*. Columbia University, Dept. of Mathematics.

[Grothendieck, 1957] Grothendieck, A. (1957). Sur quelques points d'algèbre homologique, i. *Tohoku Math. J. (2)*, 9(2):119–221.

[Mac Lane, 1998] Mac Lane, S. (1998). *Categories for the working mathematician*, volume 5 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition.