

T.F. Zhuraev

On projectively quotient functors

Comment.Math.Univ.Carolinae 42,3 (2001) 561-573.

Abstract: We introduce notions of projectively quotient, open, and closed functors. We give sufficient conditions for a functor to be projectively quotient. In particular, any finitary normal functor is projectively quotient. We prove that the sufficient conditions obtained are necessary for an arbitrary subfunctor \mathcal{F} of the functor \mathcal{P} of probability measures. At the same time, any “good” functor is neither projectively open nor projectively closed.

Keywords: projectively closed functor, finitary functor, functor of probability measures

AMS Subject Classification: 54B30