

Some Modifications on Family of Disjoint Sets and Its Applications

Mansoor ElShiekh Hassan Osman Satti¹

¹) Sudan University of Science and Technology
College of Science Department of Mathematics
Mansoorsatti4567@gmail.com

In this paper we modify some definitions and examples of our paper “Families of Disjoint Sets and Its Applications”. In that paper we introduce the concept of family of disjoint sets as a concept in set theory and introduce some theorems related to this concept, we also provide examples and applications. The four colours problem is a problem in graph theory, in that paper we introduce four colours problem as an application of family of disjoint sets. Families of disjoint sets explain four colours problem as an example of colours problem. Using families of disjoint sets we can explain any familiar map or unfamiliar map with any number of colours used to draw these maps.