

Title: Presentations and monoids for complex braid groups

Abstract: When W is a complex reflection group (CRG), its braid group is defined topologically. In this minicourse, we shall first recall this definition, and then describe convenient presentations when W belongs to the infinite series of irreducible CRG, which is made of monomial matrices. We shall show that they fit into the framework of Garside interval monoids, using an approach which is logically independent of the Coxeter-Tits theory usually involved in the real case.