ID de Contribution: **41**   Type: **Non spécifié**

Examples of use of functional equations obtained from the elimination theory in nonlinear models by Nathalie Verdière

lundi 11 décembre 2023 14:30 (45 minutes)

Abstract. This talk addresses the use of functional equations obtained from computer algebra in the structural properties study of nonlinear dynamical models. For several years, they were exploited in the context of identifiability and diagnosticability studies. A final application was recently developed and concerns an a priori study for the reconstruction of some variables of interest in nonlinear complex networks with an application on a C. elegans chemotaxis network.