

Classification problems in 2-representation theory

Volodymyr Mazorchuk

Uppsala Universitet, Sweden

This talk is planned as an overview of some recent developments in 2-representation theory of finitary 2-categories related to classification of various types of 2-representations. The main emphasis will be on classification of "simple" 2-representations for various classes of 2-categories. I plan to present recent results in this direction, describe conjectures and open problems and give an idea where the difficulties to attack those are.