Title: Visual tools for mental processes support

Author: Bc. Jiří Šejnoha

Department: Department of Applied Mathematics

Supervisor: doc. RNDr. Zdeněk Hedrlín, CSc.

Abstract: The idea of work is the use of nonlinear model of mental processes as a means of representation considerations (the projection of the human mind), with thesis so registered thoughts, compared to a standard linear form of written text, to better understand particularly complex considerations, their contexts, integration and support their utříbení. Model mental processes is designed based on inspiration by buoy (Herbart´s) and while model. The following discussion of its limits, and the legitimacy of comparing with similar models: Model Theater, MoM, Carnap´s model of the mind and NOGA model. Implementation of the work includes a formalization of the design model. The draft also implementation and implementation, which is then used to verify the thesis contribution for users using a questionnaire. The results are discussed and on this basis is formed by the end.

Keywords: mind, mental process, model, understanding, tool, while