

T3_45 THE EDUCATIONAL ROLES OF VIDEO PROGRAMS WITH EXPERIMENTS

Josef Trna, **Petr Novak**, *Masaryk University, Brno, Czech Republic* (trna@ped.muni.cz)

The contribution presents the overview of different educational roles of video programs with physics school experiments. The first set of possibilities to use video program based on experiments is focussed on school teaching and learning. Video programs are used in all teaching/learning phases: motivation, exposition, fixation, application and diagnostics. We lay stress on simple experiments and their motivational effect. The second set of possibilities to use video program based on experiments presents several variants of applications of video programs with physics school experiments into physics teacher training. New teacher training technique is the creation of video programs by teachers. The important part of teacher training is the formation of pedagogical skill of the didactic path creation. The use of ICT during creation of video programs is matter of fact. The presentation is supplemented by original video programs created by authors.