

**METÓDA RIADENÉHO SKÚMANIA A STRAPCE PROBLÉMOV
VO VYUČOVANÍ STEREOMETRIE V PROSTREDÍ CABRI 3D**

**METHOD OF CONTROLLED INVESTIGATIONS AND BUNCHES OF
PROBLEMS IN STEREOMETRY TEACHING IN ENVIRONMENT CABRI 3D**

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ABSTRACT. One of the tasks of teaching stereometry on high schools is to develop space imagination. By the National Education Program for High Schools (ISCED 3A), students, within the topics of geometry, should explore and discover planar and spatial shapes and objects and their properties, solve metric tasks and in simple cases, they should be able to make planar cross sections. In achieving these goals, it's very effective to use appropriate mathematical software. The goal of this contribution is to point out some of the possibilities of constructivist approach towards teaching planar cross section topics using Cabri 3D.

Keywords: planar section, stereometry, positional task, metric task, Cabri3D

Classification: G44, Q64

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