

Title: Secondary school chapters from an orthogonal axonometry

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Abstract: The work describes the process displaying the situation in orthogonal axonometry from getting distorted the units on the axes through the constructions of elementary objects up to the theoretical solution of objects sections and displaying more complex objects. It includes tasks for practicing. Some of these tasks are available in presentations, which are adapted for projection by a projector and contain step by step solutions of exercise. Auxiliary models are attached to the tasks at the beginning, which consist of the distorted axes problem, so the tasks can be illustratively visualized. The work is intended for secondary school pupils as a material for self-study, presentations and models can also be used for teaching in the school.

Keywords: orthogonal axonometry, orthogonal projection, projection, intersection method, construction tasks