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Wednesday 27. May Lecture + seminar 10.15 - 12.00 in J 2009

Theory and practice of the representation of space objects in the school mathematics

The lecture concerns about the history of proofs of the fundamental theorem of oblique axonometry and the close connection between this method of representation and a "free" parallel projection used in school practice within the tuition in stereometry (solid geometry). One of the crucial problems in the school stereometry is the solving of stereometric problems on plane images of space objects. The lecture will be related to the problem of completeness of the oblique image of a geometrical figure considering the problems of position as well as problems involving perpendicularity and metrical problems.

The seminar will be related to the lecture, I would like to show you some problems which I submitted to pupils and talk about the solutions and my experience during some lectures at a secondary school.