

Jewish Art and Plane Geometry collaborate in Math Education

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This talk is a second step in our work. We analyze new geometrical features in Jewish traditional artefacts,

Then we present tasks performed by pre-service students during a course on Analytic Geometry and during a course in Elementary Differential Geometry. The tasks involve joint work with both paper-and-pencil and a Dynamic Geometry System (in this case GeoGebra). Both classical knowledge in plane geometry and new knowledge in plane curves are enhanced.

We show how the natural environment of orthodox students is a good basis to provide examples for the mathematics under study. Moreover, this choice of examples helps to increase these students' interest in mathematics.