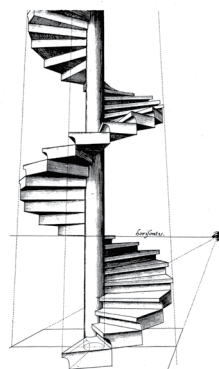




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HYPERCAL3D: APLICAÇÕES NO ENSINO DE GEOMETRIA DESCRITIVA

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ABSTRACT

This paper presents the HyperCAL3D applications in Descriptive Geometry education (DG). First, the main features of this application are briefly presented, relating to the conceptual, methodological and technological basis used in its development, including the vector modelling of the DG operations and the context of project-based learning. In the second part, the HyperCAL3D is used to perform various applications in typical problems of DG in its educational context, such as auxiliary views; determination of true length of straight, normal view of planes and angles between planes; obtaining axonometric views; obtaining main views. All these applications demonstrate the great potential of HyperCAL3D use as a teaching tool for DG.



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