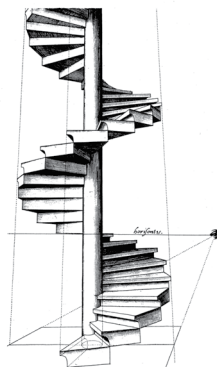




ASSOCIAÇÃO DOS PROFESSORES DE
DESENHO E GEOMETRIA DESCRITIVA
Escola Artística Soares dos Reis
Rua Major David Magno 139
4000-191 PORTO PORTUGAL

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EGR - CCE - UFSC
Campus Universitário
88.040-970 FLORIANÓPOLIS/SC BRASIL

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EXPERIÊNCIAS INOVADORAS EM ENSINO E PESQUISA DA GEOMETRIA DESCRITIVA

Fábio G. Teixeira, Tânia L. K. da Silva, Régio P. da Silva, Fernando B. Bruno,
Universidade Federal do Rio Grande do Sul, Brasil

ABSTRACT

This paper presents the main contributions of the research group Virtual Design (ViD) on the learning process of Descriptive Geometry (DG), in line with the principles of project-based learning. First, the paper presents the theoretical framework for the main ViD initiatives applied to the learning of DG, including design-based learning and physical and virtual modelling. The initiatives presented include a learning cycle based on concrete and virtual experiences in the design context. These initiatives, that feed the learning of DG, are the result of the academic research of the Virtual Design research group, that also involves Masters and PhD projects, with repercussions on the development of new methods, new technologies and new products and the quality of education.



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UNIVERSIDADE LUSÍADA DE LISBOA
Rua da Junqueira, 188-198
1349-001 LISBOA PORTUGAL