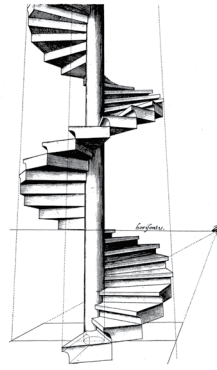




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MODELADO PARAMÉTRICO 3D, RENDER Y ANIMACIÓN CON SOFTWARE LIBRE: INTERACCIÓN *FREECAD* + *BLENDER*

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ABSTRACT

The purpose of this work is to spread the last experiences and results of a research on the use of Free Software and Freeware for teaching Graphic Representation that began three years ago. We describe the state of the art from a conceptual framework and we present a 3D parametric modeling exercise of a mechanical assembly. We assigned materials, rendered and made an animation using *FreeCAD* and *Blender* interactively. Both are Free Software and, also, free of charge. By doing this exercise, the design options that these CAD softwares provide can be appreciated. Free Software philosophy, as a new paradigm in this era, generates resistance to change in most people. We, as teachers and final users, want to debunk myths about Free Software and put ourselves at other colleagues' disposal to encourage their use.

