

Significance of Virtual Reality in Knowledge Transfer

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Abstract: *The virtual reality is being more and more used in the education, enabling the student to find out, to explore and to build his own knowledge. This paper presents an Educational Software for presence or distance education, for subjects of Formal Language, where the student can manipulate virtually the target that must be explored, analyzed and studied. With a simple interface, with easy comprehension and using, this paper presents educational software where the student manipulates the objects that will be studied in 3D, getting easier the study of concepts and theories about Automata, Regular Expressions and Minimization of Automata interacting directly with the object in 3D. To the design of the automata, the software uses tools in 3D, as the Blender and the VRML (Virtual Reality Modeling Language) and to the publishing of a page on the internet it is integrated the Program Language PHP (Hypertext Pre Processor).*

Keywords: Virtual Reality.

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