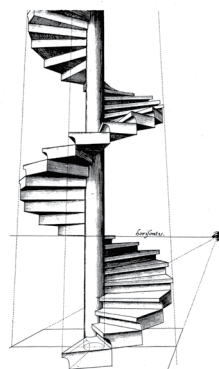




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## TAREFAS EM AMBIENTE DE GEOMETRIA DINÂMICA

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### ABSTRACT

The present communication aims to present a work developed within a research focusing on the development of geometric reasoning, proposing a task which requires the use of Dynamic geometry software. With this research, the intention was to find out what was the contribution of The Geometer' Sketchpad as a teaching tool, in the development of mathematical activities. The methodology followed a qualitative approach. Data collection was done in two classes of the 8<sup>th</sup> grade in the 2014/2015 school year, under the Basic School Math Program approved in 2013, about the topic Isometries. The results showed that the motivation of students in this type of tasks is great. We could conclude that the digital interaction with the dynamic geometry environment provides students a meaningful learning. These activities allows students to conclude about invariants, establish and confirm conjectures, and by that, to identify geometrical properties.



[www.aproged.pt/geometriasegraphica2015.html](http://www.aproged.pt/geometriasegraphica2015.html)

[www.aproged.pt/geometriasegraphica2015en.html](http://www.aproged.pt/geometriasegraphica2015en.html)

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