

GeoGebra as a Learning Environment

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Abstract: *In this paper is made an attempt in the implementation of dynamic software in learning process as an appropriate tool for teaching mathematics. It is presented a pilot research, which includes teaching pre-service and in-service teachers of mathematics. Basic the dynamic geometry software GeoGebra is used as a computer program for construction geometrical problems, and multimedia as a tool for teaching mathematics.*

Keywords: *GeoGebra, learning environment, multimedia learning.*

INTRODUCTION

This report describes a study of factors associated with effective teaching of mathematics. The study aims is to evaluate a number of factors that associate with the theoretical and effective teaching of mathematics. Factors include:

1. Knowledge, beliefs, practices of teachers.
2. Teacher training and education.
3. The extent and quality of professional development related to the accumulation of experience by teachers.

In this paper is presented a pilot research, which includes teaching pre-service and in-service teachers of mathematics. Basic the dynamic geometry software GeoGebra is used as a computer program for construction geometrical problems, and multimedia as a tool for teaching mathematics.

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