

GeoGebra in the Context of the IT Surrounding Environment and Curriculum, 2010

PhD. Math. **Valerian ANTOHE**

Dep. Director of GeoGebra Institute of Timisoara, Romania

valerian_antohe@yahoo.com

Abstract: The development of information technology radically changes our way of living, of communicating with the others, of receiving the information. In the future, it is expected that the role of computers in our life become essential; any student will have to master this field in order to achieve easily what he wishes. This presentation covers some ideas that were developed after the first activities carried out under the GeoGebra Institute of Timisoara, Romania, in the eastern part of Romania and our strategies in connection with the development of a broad community of users nationwide.

We live in a world subject to dynamic changes. The level of information and its flow on different communication channels, its impact on the individual are more and more difficult to quantify. Filters of the informational flow, imposed by the educational system, may lead to progress when this approach is in agreement with a modern and well planned educational desideratum or may lead to disasters when it is imposed by social or political manifestations which are not focused on the development of the individual.

We will look into the concept of “homo – informaticus” and the extent to which it can be influenced by the GeoGebra Factor.

Keywords: Educational Environment; GeoGebra (GF) Factor; IT Surrounding Environment

The role of computers in our life become essential



We live in a world subject to dynamic changes

A debate for teacher it is to educate students to agree sites of science more than false sites of socialization.

The challenge in use the handy for Facebook or for GeoGebra !



After a scientific study made by a team of specialists in psychology and presented to us, the results of this study realized on a representative sample of students focused on Knowledge-society and education, show that students use more than 80% of their free time for Facebook, Twitter, YouTube and game. Handy are used only for SMS communication and to make photos in the same percent. One could say that will be a challenge to make them to use this media for science and education!

The concept of "Homo-Informaticus"

We will look into the concept of "Homo – Informaticus", and the extent to which it can be influenced by the GeoGebra Factor.

from different country involved must be established and sustained by a Staff team of IGI.

The access to the ISI Thomson publication and printing house like Springer or others must be sustained and accepted like a desire for future International recognize of research in the domain.

- A competition which could cover the scientific papers published in a GeoGebra International Journal can start a debate and all the users, students or teachers will have a motivation in make research in different domains of GeoGebra, develop software, invent new methods of teaching, make real research in math or other science.
- Even if a kind of this proposed journal will be in an electronic version, this can be a real debate for the next level of using GeoGebra.

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