

Luminița Dominica Moise, Ruxandra Cristea, *Confluence Between Higher Secondary and University Educational System. Approach Based on Projects in Virtual Space*

Abstract: To motivate and persuade our students to love Mathematics we have devised extracurricular activities in which we bring to their attention the history of mathematics, the outstanding results in various areas of life and of human knowledge that change human perception of reality or reveal the implications of mathematics in the structure, consistency and rigor of other disciplines and how it traces new directions of research in science. This paper is a dissemination of these activities through an approach based on projects in virtual space.

Keywords: fractals, LabVIEW; swarm intelligence; mathematical statistics; Riemann function; etwinning.

ACM/AMS Classification: k.3.1