

The conference „Visuality & Mathematics – Experimental Education of Mathematics through Visual Arts, Sciences and Playful Activities”



Name of the teacher:	Vesna Babović
Name and address of the school:	First Nis Grammar School Stevan Sremac/ Prva niška gimnazija “Stevan Sremac”, Vožda Karađorđa 27, Niš, Srbija
Theme of the tool:	Golden ratio / Zlatni presek
Place in curriculum: (type of school, grade)	Secondary school / Srednja škola, I grade / I razred ;
Age of the students/pupils:	9 -19+
Title of the tool:	Golden ratio / Zlatni presek

Description of the educational tools

You have 10 new tools for determining the golden section (sector, spiral, rectangle, triangle) whether it be math, photography, nature, architecture, design ... depends on you! Enjoy! / Imate 10 novih alatki za određivanje zlatnog preseka (isecak, spirala, pravougaonik, trougao), da li će to biti matematika, fotografija, priroda, arhitektura, dizajn,... zavisi od vas! Uživajte!

Tutorial: <http://tube.geogebra.org/material/show/id/148772>
<http://tube.geogebra.org/material/show/id/148786>

The screenshot displays the Geogebra software interface. At the top, there is a toolbar with various icons for geometric construction. Below the toolbar, a menu is open, showing several tools for determining the golden section: 'Zlatni presek / Golden Ratio', 'Zlatni presek I / Golden ratio I', 'Kvadrat / Square', 'Kvadrat I / Square I', 'Luk spirale / Arc of spiral', 'Luk spirale I / Arc of spiral I', 'Isečak / Sector', and 'Isečak I / Sector I'. Below the menu, there are two images. The left image shows a flower with a golden spiral overlaid on it. The right image shows a photograph of a stone tunnel with a spiral staircase and a white arc overlaid on it. The caption 'Park Güell, Barcelona' is visible below the second image. At the bottom, there are navigation controls and a page number '53 / 53'.