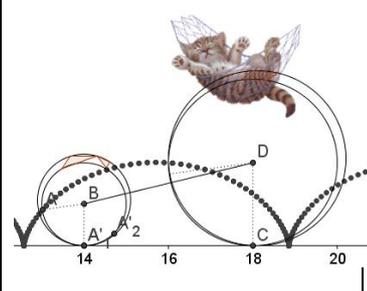
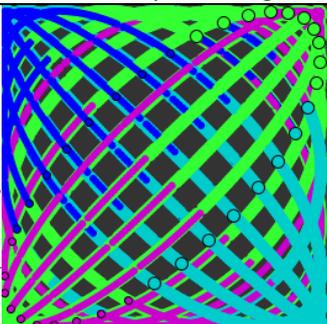
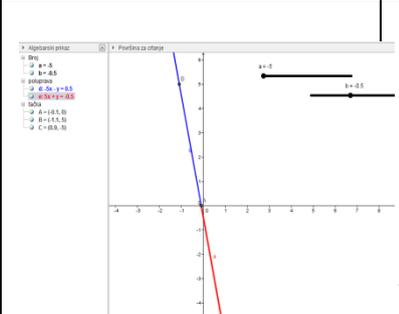
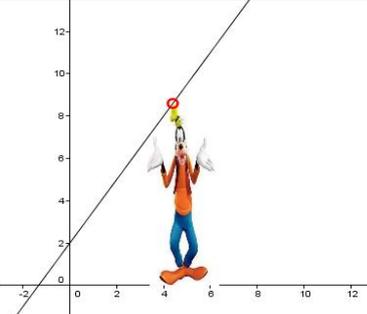


				
University of Szeged	Non-Standard Forms of Teaching Mathematics and Physics: Experimental and Modeling Approach		UNS Faculty of Sciences, Novi Sad	

<b>Durđica Takači</b>		
Degree:	PHD in Mathematics	
Position:	Professor	
Institution:	University of Novi Sad, Faculty of Sciences, Department of Mathematics and Informatics	
Contact:	E-mail: <a href="mailto:djtak@DMI.uns.ac.rs">djtak@DMI.uns.ac.rs</a> Web: <a href="http://sites.dmi.rs/personal/takacidj">http://sites.dmi.rs/personal/takacidj</a> Tel.: +36 62 544 091	
Other information:		
<p><b>Durđica Takači</b> graduated and earned PhD at Faculty of Sciences, University of Novi Sad. She gives Calculus classes to Physics and Chemistry students. Her research concerns operational approach to partial differential equation and didactic with the aid of computers.</p>		

<b>Mathematical modeling with GeoGebra</b>	
Time:	90 minutes
Topics:	Mathematics
Technical tools:	Computer, projecting possibility
Audience:	max. 80-100 persons, grades 9-12.
	 <p>We start from the real problems (physics, chemistry, everyday life, ...) and by using package GeoGebra we construct mathematical models.</p>

<b>Experiments in precalculus with GeoGebra</b>	
Time:	90 minutes
Topics:	Mathematics
Technical tools:	Computer, projecting possibility
Audience:	max. 100 persons, grade 12.
	 <p>Precalculus contents are analyzed and visualized by using programme GeoGebra</p> <ul style="list-style-type: none"> <li>• for tablets, simple examples</li> <li>• for PC computers, advanced properties, two graphs, dynamic colors,...</li> </ul> <p>The main point are functions Klik on Figures to get to internet.</p>