

#### DynaMAT Feedback, improvement and course report of AT team

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#### **Remembering materials**

- 1. DGS optics
- 2. DGS extreme values in geometry
- 3. Fractals limits of series
- 4. GPS aviation (interpreting graphs)
- 5. GPS GeoCaching (geometry)



# Improvements of materials, following feedback, part 1

- Fractals
  - Exactification of definitions
  - Links to Nelli's materials
  - Explanation of Mandelbrot software (Video)
  - To be done: Explanation of logo code (Video)
- GeoCaching
  - Additional hints for tasks
  - To be done: Video of actual activity



# Improvements of materials, following feedback, part 2

- Aviation
  - Adding tasks for the non-flying section (walking, biking, hiking)
- Lens
  - Explanation of how to construct a hyperbola with GeoGeobra, following the definition (Video)
  - To be done: Same with parabola
- Extreme values
  - Adding solution with Computer Algebra System



## **Translations finished by Sep 30**

- Constructions in art and photography (BG)
- Dynamical Billiards (IT)
- Euclidean Eggs (IS)
- Geometry in the landscape (DK)
- Geometry on the playground (SK)
- GPS Mathematics in nature (SK)
- Tall tree (DK)
- All 5 materials from AT
- i.e. 12 pieces available in German



## Course 1 description

- Pre-service teacher seminar
- Duration: 14x1.5 hours
- Participants: 28 pre-service teachers
- Students will have DynaMAT materials from all partners to choose from
- Start: October 2, 2012



### Course 2 description

- Workshop at in-service teacher training day in Vienna
- Duration: 2 hours
- Participants: approx. 25 in-service teachers
- Teachers will work with materials available in German, using E-Learning environment
- Date: April 4, 2012



#### Plans for conferences and other presentations

- Presentation at Summer School and Workshops in Nitra (June 2012)
- Poster at ICME in Seoul (July 2012)
- Presentation at Austrian National Agency LLP information day (October 2012)
- Presentation at Comenius Cluster Day for Math/Science in Brussels (December 2012)
- Info stand at in-service teacher training day (April 2013)
- Presentation at PME in Kiel (July 2013)