



Further Information

Experiences

The lesson was presented by the author to many different audiences from primary school pupils to university students and high school teachers, emphasizing different parts. All of the participants found the theme very interesting and useful. Even advanced teachers found themselves unaware of the power of the simple formula of the arithmetic mean and at the same time inspired by the meaning it has in its mechanical realisation of a car differential. But it has always turned out that a good and well prepared presentation was essential. Several spontaneous experiments were made, which showed, that presenters who thought themselves well prepared to present the idea, found themselves short of understanding and ability to respond adequately to spontaneous questions of participants. In such cases, the didactical and motivational aspects of the presentation were diminished drastically.

Literature

Different parts of the idea can be found on internet and spread out through literature. The theme was presented by the author on the MACAS2 conference and will be published in conference proceedings.