

CALL FOR CONTRIBUTIONS

Calculators in the Age of Smartphones

(Working Group at the 7th CADGME Conference)

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Coimbra, Portugal

Organizers:

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The history of electronic calculators started with the simplest models capable of providing arithmetic operations. In this time they only differ from their mechanical predecessors only in their technology (electronic) base. The first progress came with incorporating memory devices into them followed by the possibility to program them. Specialized software enriched their applicability to sophisticated technology areas. Another impulse for their development came from graphic displays. As a picture is worth of one thousand words (digits, in our case), the calculators started inhabiting another field of mathematics in which computers dominate.

Today, the interconnectivity conquers the World of technology. The working group will discuss issues connected to the use of calculators capable of communicating with other devices, predominantly with smartphones. The smartphones have been selected due to their popularity among youngsters but we are open to contributions oriented to connection of calculators with other devices (especially wireless one).

The contributions to our working group should address teacher experiences and best practices, research on student's achievements, behavior and attitude, applications of graphic calculators in Maths and other subjects and similar. Examples of problems in Mathematics and Science – especially those requiring student collaboration and their communication at distance – as well as other related topics are welcome.