ALPEN-ADRIA UNIVERSITÄT KLAGENFURT

INVITATION TO THE DOCTORAL SEMINAR

Comments on Polya: Geometry is the art of correct reasoning on incorrect figures

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Chaired by Gert Kadunz | Department of Mathematics

Wednesday, 5 December 2018 | 11:00–12:00

I.2.01

ABSTRACT

Starting from the difference between drawing and figure, the presentation looks into the teaching and learning of elementary geometry in school with its interplay of the construction and use of visual displays, concept development and argumentation, if not formal deduction. This is contrasted with the out-of-school use of geometry for planning and controlling societal production, distribution and consumption of goods and services. A conclusion binds together these two fields of geometric practice in a way, which is compatible with an epistemological and semiotic understanding of geometry.

We hope to see you there!