

The Trigonometric Functions - Concept Images of the First-Year Students of Mathematics Education at the Department of Mathematics, University of Zagreb

(Talk)

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According to the present curriculum, substantial time is allocated to the trigonometric functions of real argument. However, the results of State Matura show that students performance on tasks involving this mathematical content is unsatisfactory. In order to gain a deeper insight into causes of this discrepancy, we have conducted a survey of basic concepts related to trigonometric functions of the first-year students of Mathematics Education at the Department of Mathematics, University of Zagreb, Croatia. In particular, we were focused on relations between concept definitions and concept images of the concepts in that area and the predominance of the procedural knowledge over the conceptual.

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