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The mechanism of structuring the concept of the derivative.

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Summary: In this paper we attempt a construction of a conceptual mechanism of the concept of derivative. The construction is based on the ideas of “regressive analysis”. Finally, some teaching strategies based on the above analyses are proposed.

Classification: I40 D40

Keywords: Didactic transformation; ideogram; didactogram; learning block; profound (deep) structure; regressive analysis; mental condition; binary tree; level of basic knowledge; core of the graph