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Aplicações para o ensino de equações diferenciais [

2017

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Analítica

http://dx.doi.org/10.5007/1982-5153.2017v10n1p257This paper fits the area of Mathematics Education at Higher Education, especially the area of studies concerning the teaching and learning of Differential and Integral Calculus. It is presented two applications for the differential equation solutions, theoretically referenced by the notion of local straightness, formulated by David Tall. The first application is explored the notion of slope field. The second one is adapted a situation developed by English researcher for a sketch of a solution curve of a differential equation. The development of these applications is based on the need to integrate theory and practice in the field of mathematics education and to produce materials for teaching, based on research results. It is expected that such applications to promote development of rich concepts images in the student, in the relation to the treaty mathematical concept
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