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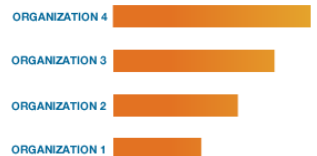Content Alerts

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Abstract:
Linear kinematics and the interpretation of their physical movements entail certain difficulties for students, it is for this reason that in this article two didactic situations are presented, based on the theory of didactic situations proposed by Guy Brousseau, in which activities are proposed that encourage group and individual participation, with the purpose of potentiating the student's own knowledge as they analyze the physical phenomena around us and relate them to scientific knowledge. The development of these didactic situations is supported and supported by a research and bibliographic compilation of the guidelines of Brousseau's theory and these, in turn, are incorporated into the importance of applying ICT in education, so it is necessary to complement it with the application of free Tracker software, with which it is intended that students develop interpretation skills of graphics, this being one of the objectives of this research and serve as models of application in different branches of physics, thus presenting different Teaching-learning alternatives to current educational models. All this acquired knowledge will be consolidated with activities that motivate students to do it.

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