

عنوان مقاله:

Teaching and Math Education using IT

محل انتشار:

کنفرانس بین المللی مدیریت چالشها و راهکارها (سال: 1392)

تعداد صفحات اصل مقاله: 7

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خلاصه مقاله:

In order to study the effect of information and communication technology on math learning, from two classes of boy students who study mathematics and physics in pre-university in Imam Khomeini pre-university center, Amol, Mazandaran, Iran, one class is selected as an experiment group and the other as a control group. The graph subject of discrete mathematics is taught the experiment group by using NEWGRAPH educational software that is a kind of dynamic interactive software and same subject was taught the control group without this software. At the beginning of this course, a pretest and at the end of it, a post test was held. The results of using unilateral covariance analysis indicated that the experiment group's scores are better than those of the control group in significance level $p < 0.05$. This research, also, is going to answer following questions: to teach mathematics, whether teaching should totally done by using modern technology or combined other teaching methods? Which strategies we can use except technology?

کلمات کلیدی:

Information and Communication Technology, Educational Software, Math Teaching

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