



Contribution ID: 224

Type: Oral Presentation

Pre knowledge of physics 1 students on vectors

Wednesday, 13 July 2011 11:45 (15 minutes)

The purpose of this study was to investigate the pre-knowledge of the Physics I students on vectors. The study was conducted on 234 Physics I students from the University of Limpopo (Medunsa campus). The sample was divided into four groups, where the first group (n = 119) did their grade 12 in 2010, the second group (n = 46) did their grade 12 prior 2010, the third group (n = 42) did Foundation Physics in 2010 and the fourth group (n = 27) were those repeating Physics I. An ex post facto research design was chosen for the study whereby all the groups were given a vector test at the beginning. The test was divided into three questions, testing definitions, classifications, drawing and interpretations of graphs. Results showed a less difference between average percentage of the groups whereby the group before 2010 (47.4

Level (Hons, MSc, PhD, other)?

PhD

Consider for a student award (Yes / No)?

No

**Would you like to
 submit a short paper
 for the Conference
 Proceedings (Yes / No)?**

Yes

Primary author: Mrs MHLONGO, Motlalepula Rebecca (University of Limpopo)

Co-authors: Mr MOLOI, Alfred (University of Limpopo); Dr SITHOLE, Enoch (University of Limpopo)

Presenter: Mrs MHLONGO, Motlalepula Rebecca (University of Limpopo)

Session Classification: Education

Track Classification: Track E - Physics Education