



Contribution ID: 211

Type: Oral Presentation

Aspects of DC circuits: a fine grained investigation of student conceptions

Thursday, 14 July 2011 08:30 (15 minutes)

This is the second part of our study, where we are analysing the reasons and explanations behind each answer of each student. In the first part of our study (2010) using an open circuit (battery, single wire, resistive element) in which the resistive element (resistor, heating element, light bulb) and the words (“current”, “charge flow”) are inter-changed in an electrically equivalent circuit and the students answers were found to be influenced by the different elements and words.

Level (Hons, MSc, PhD, other)?

Research

Consider for a student award (Yes / No)?

No

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

Yes

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Session Classification: Education

Track Classification: Track E - Physics Education