

Abstract Submitted  
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**Experimental Approach for Circuit Analysis** FRANK MALATINO, MATTHEW WIDJAJA, JASON SHULMAN<sup>1</sup>, Richard Stockton College of New Jersey — For complex circuits, implementation of Kirchoff's Laws can be tedious and time consuming. Here, we present an alternative procedure, which is based on a methodology designed to control complex networks. It is an experimental, rather than analytical, approach to analyzing circuits. From this, one can generate equations that describe the behavior of a circuit. These are the same equations that would be obtained through more traditional means.

<sup>1</sup>Professor

Frank Malatino  
Richard Stockton Coll of New Jersey

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