

1106-L5-709

**Stephan Ramon Garcia\***, Department of Mathematics, Pomona College, 610 N. College Ave,  
Claremont, CA 91711. *Approaches to Cauchy's Theorem.*

We hope to initiate a discussion about various methods for introducing Cauchy's Theorem. Although Cauchy's Theorem is the fundamental theorem upon which complex analysis is based, there is no "standard approach." The appropriate choice depends upon the prerequisites for the course and the level of rigor intended. Common methods include homotopy theory, Green's Theorem, or Goursat's lemma, each of which has its positives and negatives. (Received September 05, 2014)