

Abstract Submitted
for the SES17 Meeting of
The American Physical Society

The Real Valued Jam Derivative S. KYLE CASTLEBERRY, BENNET HALLER, SHARON CARECCIA, RALPH H FRANCE III, Georgia College — In continuation of the work presented by Pearson et al. at SESAPS 2016, we have made progress on the Jam Derivative. Previously, we had used Wolfram Alpha to graphically analyze the derivative, but its results were incomplete. The natural logarithm of complex numbers, which occur twice in the calculations of the Jam derivative are multivalued, with Wolfram Alpha choosing one particular value. We will present a more general case and show that a particular choice of values for these logarithms produces completely real results.

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Date submitted: 05 Oct 2017

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