**Quad Integration in Coupled Probability and Entropy Functions**

1. General Thoughts
   1. Might want to separate coupled function like coupled exponential and log from coupled probability and entropy functions
2. Coupled Functions affected by quad integration
   1. Coupled Probability
   2. Changes to other functions
      1. Had to comment out assertion in the CoupledNormal class’ prob method to work with quad
   3. Errors and Warnings in test file

I think the warnings encountered are due to values small for the numpy float64 data type when the density is very small (namely for small coupling values) in the coupled\_exponential function. I think it is coming from the integration within the quad function.

* + 1. Results from integrating the PDF of a Coupled Gaussian (0, 1) with kappas in {0, 0.01, 0.1, 1)

