Default Models

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Abstract

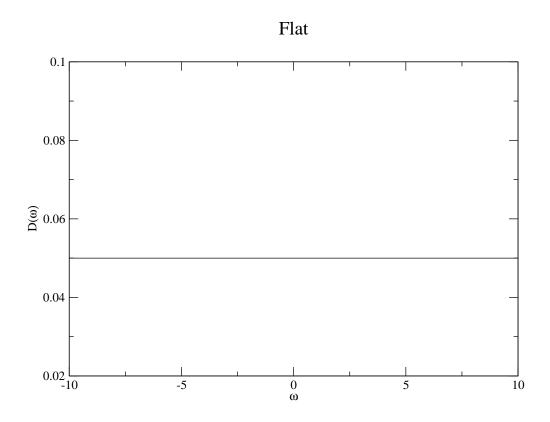
The Maxent method uses entropy S of a spectral function $A(\omega)$, defined with respect to an underlying default model $D(\omega)$ such that $S=-\int d\omega A(\omega) \ln \frac{A(\omega)}{D(\omega)}$. This document provides several plots of available default models for use in the Maxent program.

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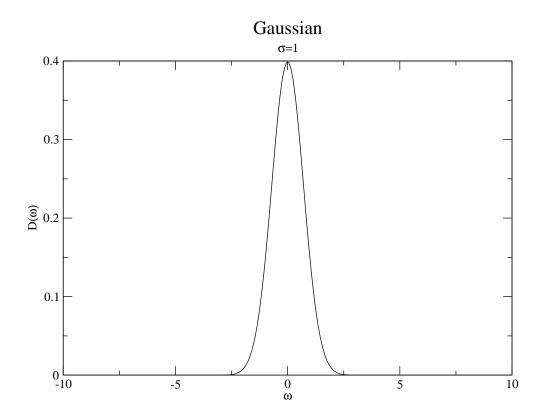
Part I Flat

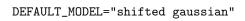
DEFAULT_MODEL="flat"



Part II Gaussian

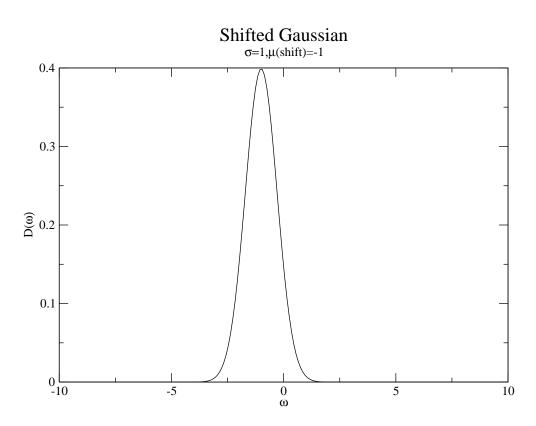
DEFAULT_MODEL="gaussian"
SIGMA=__

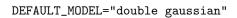




SIGMA=__

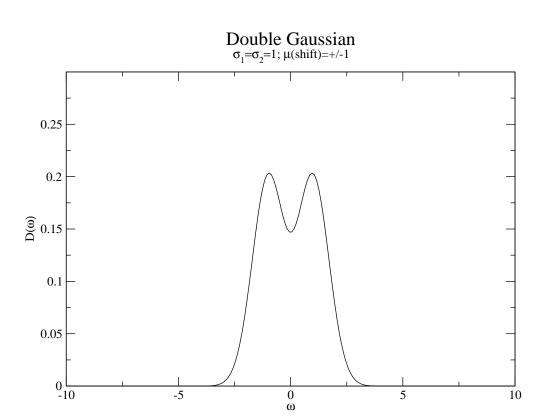
SHIFT=__





SIGMA1=__

SIGMA2=__



DEFAULT_MODEL="Two gaussians"

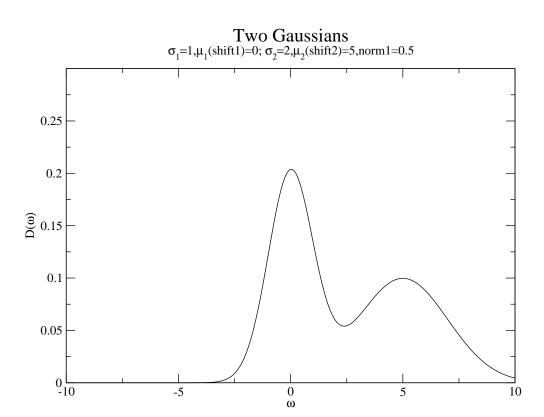
SIGMA1=__

SIGMA2=__

SHIFT1=__

SHIFT2=__

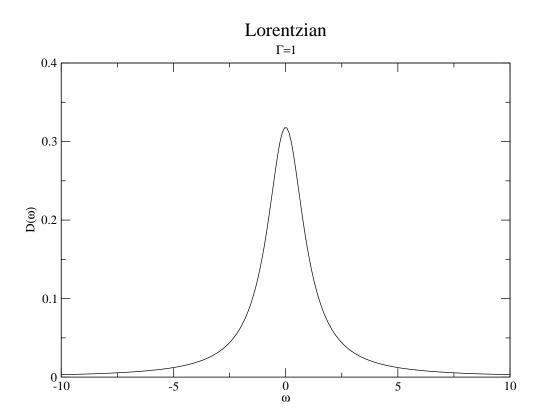
NORM1=__



Part III Lorentzian

DEFAULT_MODEL="Lorentzian"

GAMMA=__



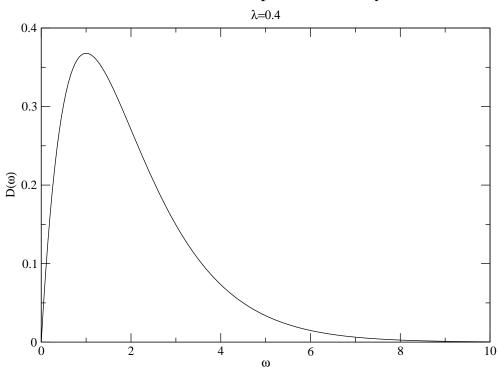
See Gaussian for similar models (replace gaussian with lorentzian)

Part IV (Linear/Quadratic) Exponential Decay

DEFAULT_MODEL="linear rise exp decay"

LAMBDA=__

Linear Rise Exponential Decay



DEFAULT_MODEL="quadratic rise exp decay"

LAMBDA=__

Quadratic Rise Exponential Decay

