
ambigauss Documentation

Release

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Apr 12, 2018

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1.1 Base Model

```
model = GaussianFitter(n_peaks=2)

df = pd.DataFrame({
    'x' : [0, 1, 2],
    'y' : [0, 10, 50],
    'y2': [0, 5, 10]
})

model.fit(x=df.x, y=df.y)

model.score()

model.centers
model.widths
model.heights

model.plot()
```

1.2 Gaussian spectrum

```
# Import gaussian
from ambigauss import GaussianSpectrum

# Initialize a model.
m = GaussianSpectrum(n_peaks=3)

# Fit data.
m.fit(x, y)
```

```
# Plot data
m.plot()

# Print parameters
m.print_parameters()
```

1.3 Voigt spectrum

```
# Import gaussian
from ambigauss import VoigtSpectrum

# Initialize a model.
m = VoigtSpectrum(n_peaks=3)

# Fit data.
m.fit(x, y)

# Plot data
m.plot()

# Print parameters
m.print_parameters()
```

CHAPTER 2

Indices and tables

- `genindex`
- `modindex`
- `search`