

Convolution

Setting up¶

In [37]:

```
from bokeh.plotting import figure
from bokeh.io import output_notebook, show, curdoc
from bokeh.themes import Theme
import numpy as np
output_notebook()
theme=Theme(json={})
curdoc().theme=theme
```

Loading BokehJS ...

Convolution¶

Convolution is a fundamental operation that appears in many different contexts in both pure and applied settings in mathematics.

Polynomials: a simple case¶

Let's look at a simple case first. Consider the space of real valued polynomial functions \mathcal{P} .

If $f \in \mathcal{P}$, then $f \in \mathcal{P}$.