

skfda.representation.extrapolation.PeriodicExtrapolation

class skfda.representation.extrapolation.PeriodicExtrapolation [\[source\]](#)

Extends the domain range periodically.

Examples

```
>>> from skfda.datasets import make_sinusoidal_process
>>> from skfda.representation.extrapolation import PeriodicExtrapolation
>>> fd = make_sinusoidal_process(n_samples=2, random_state=0)
```

We can set the default type of extrapolation

```
>>> fd.extrapolation = PeriodicExtrapolation()
>>> fd([-0.5, 0, 1.5]).round(3)
array([[ -0.724,  0.976, -0.724],
       [-1.086,  0.759, -1.086]])
```

This extrapolator is equivalent to the string “periodic”

```
>>> fd.extrapolation = 'periodic'
>>> fd([-0.5, 0, 1.5]).round(3)
array([[ -0.724,  0.976, -0.724],
       [-1.086,  0.759, -1.086]])
```

`__init__()`

Initialize self. See help(type(self)) for accurate signature.

Methods

`evaluator` (fdata)

Returns the evaluator used by `FData`.