#### **MAINS**

coupled\_lorenz main\_rossler examples\_lorenz examples (van der Pol) temp\_main (Hopf)

continuation
radii\_polynomials\_cont\_new
Taylor\_series\_Hopf
Newton\_2
update\_new

## **Helpers for User**

default\_scalar\_eq from\_string\_to\_polynomial\_coef time\_series2Xi\_vec

find\_negative

**Helpers** 

intvalCAT
kernel
product\_FFT
extend\_approximate\_inverse
reshape\_D
vec2Xi\_vec
Xi\_vec2vec
isint
horiz
vert

is\_polynomial\_coef

#### **Norms functions**

component\_matrix\_norm
InfNuNorm\_mat
norm\_cor1
norm\_Ximat
NuNorm
test\_norm\_mat

### **Functions for fft**

**VALIDATION** 

Y\_bound\_new Y\_bound\_cont\_new

> Z0\_bound Z0\_bound\_cont

Z1\_bound\_new

Z1\_bound\_cont\_new

Z2\_bound\_new Z2\_bound\_cont\_new

verifyfft verifyfft\_in fft\_in size\_verifyfft

# Classes

Xi\_vector derivative full\_problem polynomials\_coefs scalar\_eq