

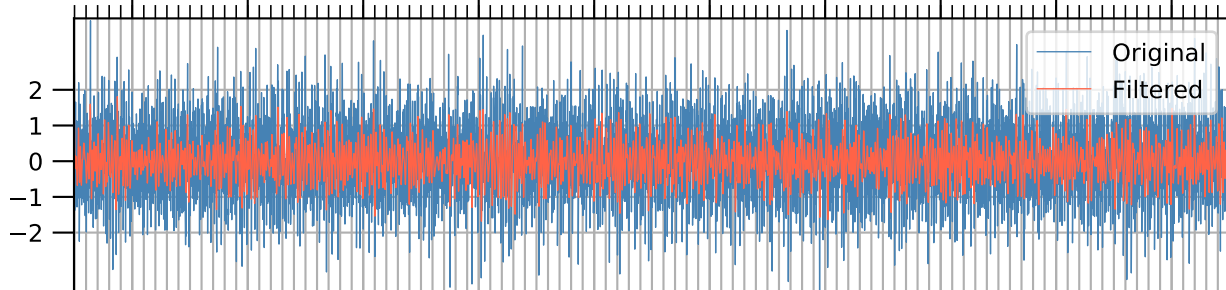
Cutoff Freq. = 8 / 12 yrs

Time

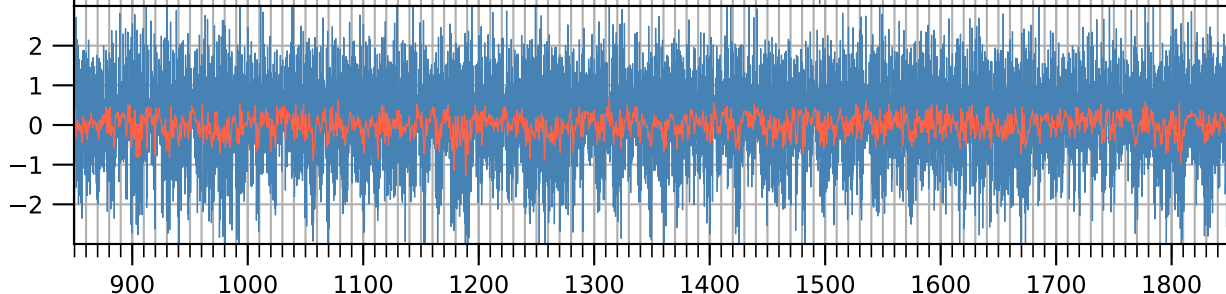
Filter order = 5

900 1000 1100 1200 1300 1400 1500 1600 1700 1800

Nino 3



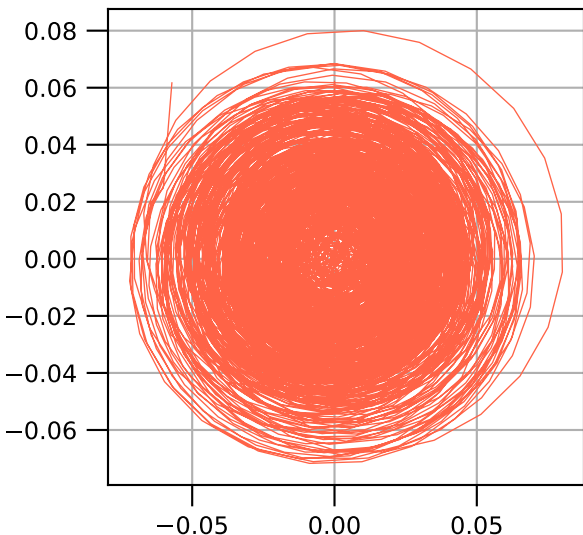
ISMIR



Time

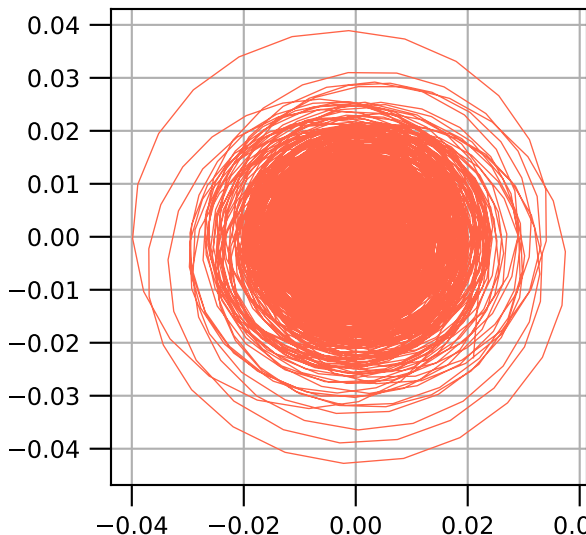
900 1000 1100 1200 1300 1400 1500 1600 1700 1800

Hilbert transform



Derivative of filtered Nino 3 signal

Hilbert transform



Derivative of filtered ISMR signal