

**Sparse Fourier Polynomial:  $0.29\cos(8x) + 0.07\cos(7x) + 0.69\cos(3x) + -0.08\sin(5x) + 0.09\sin(1x) + -0.77\sin(7x) + -0.68\cos(3x) + 0.46\sin(4x)$**

