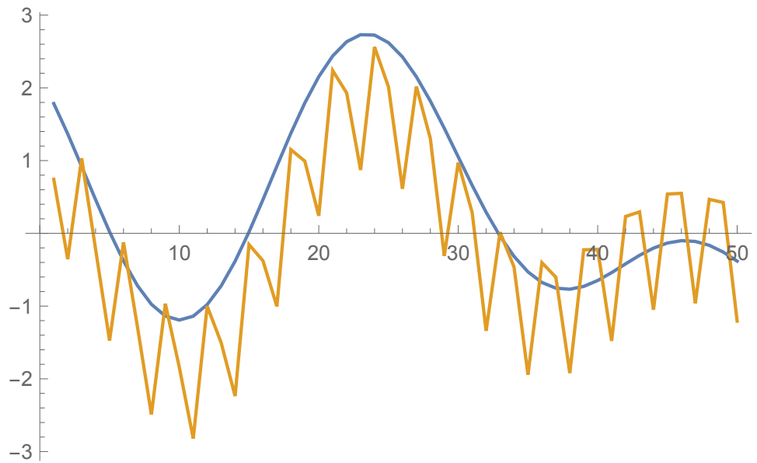
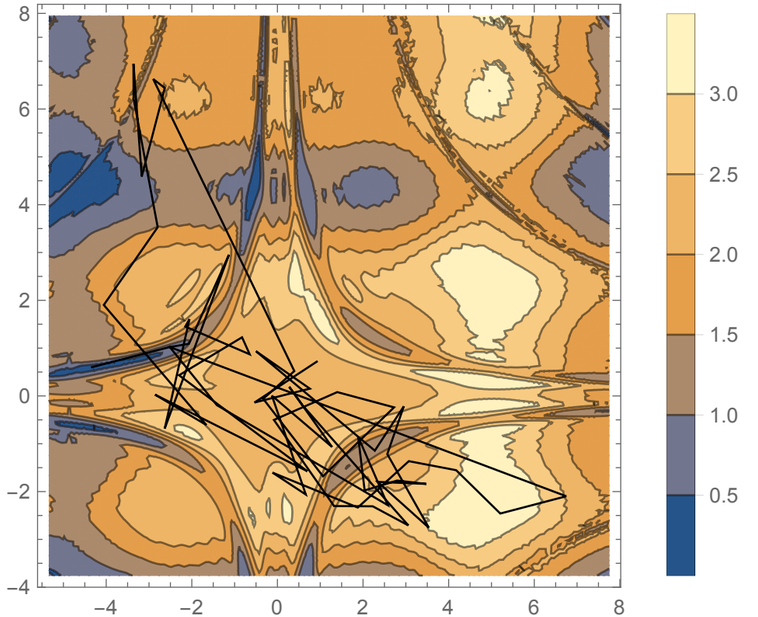
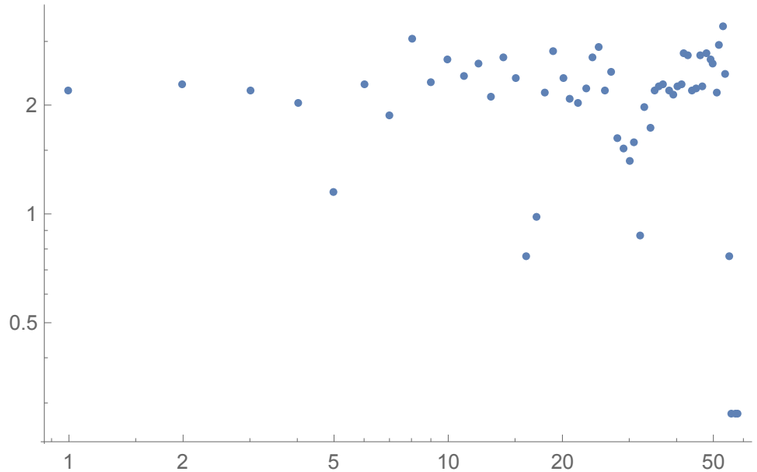
Out[1610]=

Data vs Function	Parameter Space	Error over iterations
		
Parameters	**Iterations, corrections, α, β, LSTolerance, factor**	
{−4.3319, 0.602014}	{58, 0} { , α, β} {0.001, 0.01}	{1.0085, 2.77759}

Frequency indices: {3, 18}
Data frequencies: {11.0584, 104.301}
TrueParams {−4.48967, −4.6373}
InitialParams {1.13426, 2.3334}
FitFunction: Sin[2*#1*#2] + Cos[3*#1*#3] + Sin[5*#1*#3*#2 + Pi*0.35] &
LSTemp and LSTolerance: 0.005 0.001