Superimposed inputs and outputs vs. samples **Impulse** Input FIR filtered Magnitude IIR filtered 0.5 0 0 10 20 30 40 50 60 70 80 90 100 Samples Sinusoid, 800 Hz 0.2 Input FIR filtered Magnitude 0.1 IIR filtered 0 -0.1 -0.2 0 10 20 30 40 50 60 70 80 90 100 Samples Sinusoid, 1600 Hz 0.2 Input FIR filtered 0.1 Magnitude IIR filtered 0 -0.1 -0.2 0 10 20 30 40 50 60 70 80 90 100 Samples