## Digital Filters & Systems

DTLTI Systems, Transfer Functions, and the Z-transform  Explanation of Discrete Time Linear Time-Invariant Systems, transfer functions, and the Z-transform.
□ Exponential Moving Average Digital exponential moving average filters explained, as well as an implementation in C++, and simulation in MATLAB.
□ Simple Moving Average Digital simple moving average filters explained.
Discretization Converting continuous-time filters to discrete-time filters.
Simple Finite Impulse Response Notch Filter Designing a simple FIR notch filter to suppress a single frequency.