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Advantages	<u>Disadvantages</u>
 Digital filters can realise frequency responses practically not achievable with analog filters No tolerance of circuit components No complex circuitry (just a number of coefficients needed) 	 FIR filters need to be large to be effective (many operations) IIR filters may be unstable because of feed back loop The ADC stage creates deterministic quantisation error which is due to digital storage and computation limitations sample rate limitation (analog filters do not have to sample!) Filter design is not a simple task