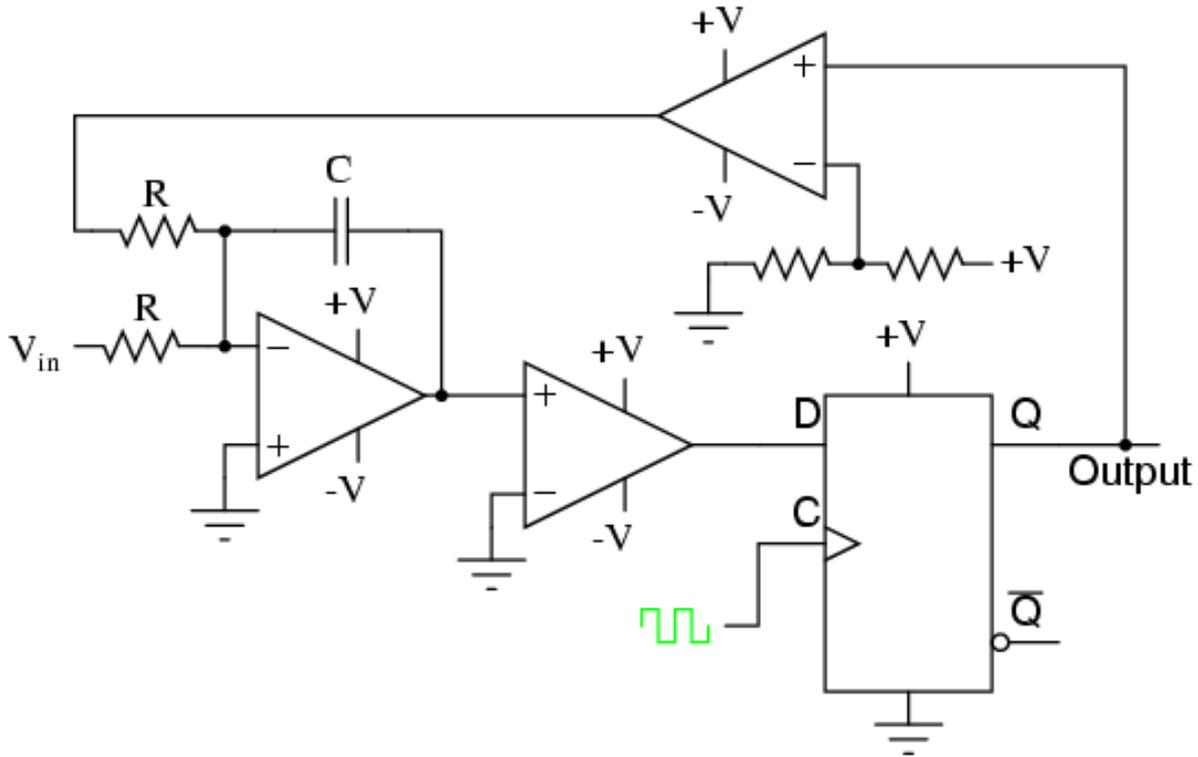


Sigma-Delta ADC

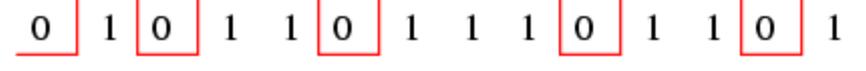


$\Delta\Sigma$ converter operation with 0 volt analog input

$\Delta\Sigma$ converter operation with large negative analog input

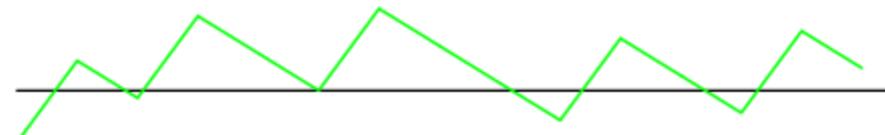
Flip-flop output

Flip-flop output

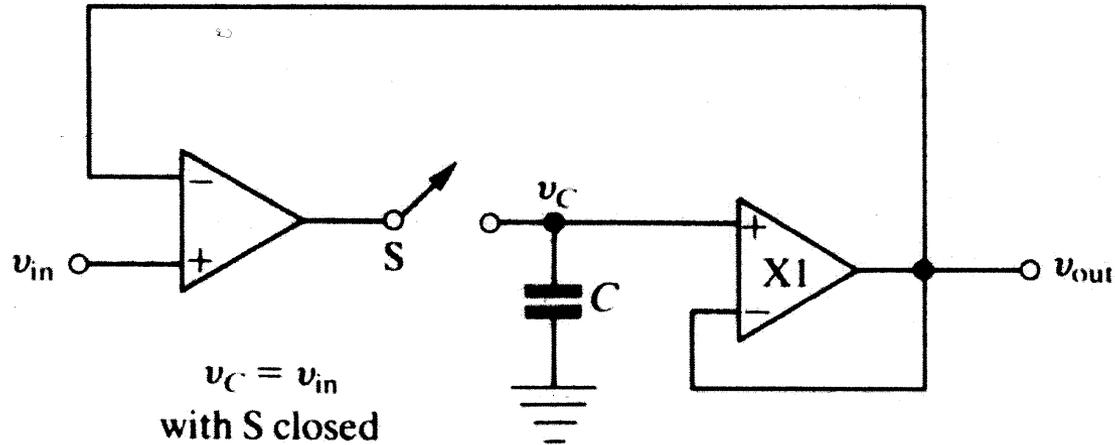


Integrator output

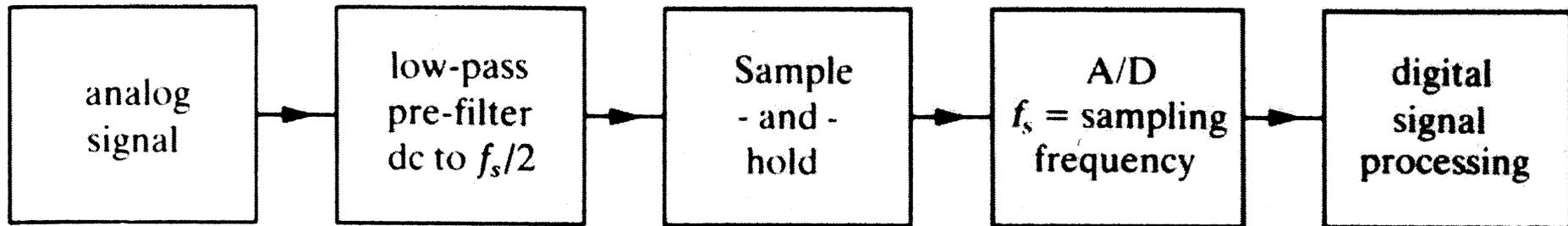
Integrator output



Sample and Hold



General ADC



$$f_s > 2f_{\max}$$

where f_{\max} = highest-frequency Fourier component of analog input