

Quiz 12

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Special Topics: Electrical Engineering for Computer Scientists

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1. If $x[n] = \delta[n] + 2 \cdot \delta[n - 1] + 2 \cdot \delta[n - 2]$ and $h[n] = \delta[n] + \delta[n - 1]$, sketch $x[n] * h[n]$:
2. Answer the following two
 - a. A digitizer samples an analog signal using 8 discrete voltage levels for each sample, how many bits per sample does the ADC have?
 - b. Fast changing signals are considered to have higher or lower frequency content? Explain your answer.