

Noise 8

Multiple Choice Quiz

TI Precision Labs – Op Amps



Quiz: Noise 8

1. (T/F) The 0.1Hz to 10Hz waveform is another way of considering the low frequency voltage noise for a device.
 - a. True
 - b. False

2. (T/F) A few degrees of ambient temperature shift can cause offset drift that looks like noise.
 - a. True
 - b. False

3. (T/F) The 0.1Hz to 10Hz noise plot is generated using a spectrum analyzer.
 - a. True
 - b. False

4. Assume that an amplifier has $1/f$ noise. Increasing the measurement period will _____.
 - a. Increase rms noise.
 - b. Decrease rms noise.
 - c. Have very little affect on rms noise.

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5. Assume that an amplifier does not have $1/f$ noise. Increasing the measurement period will _____.

- a. Increase rms noise.
- b. Decrease rms noise.
- c. Have very little affect on rms noise.

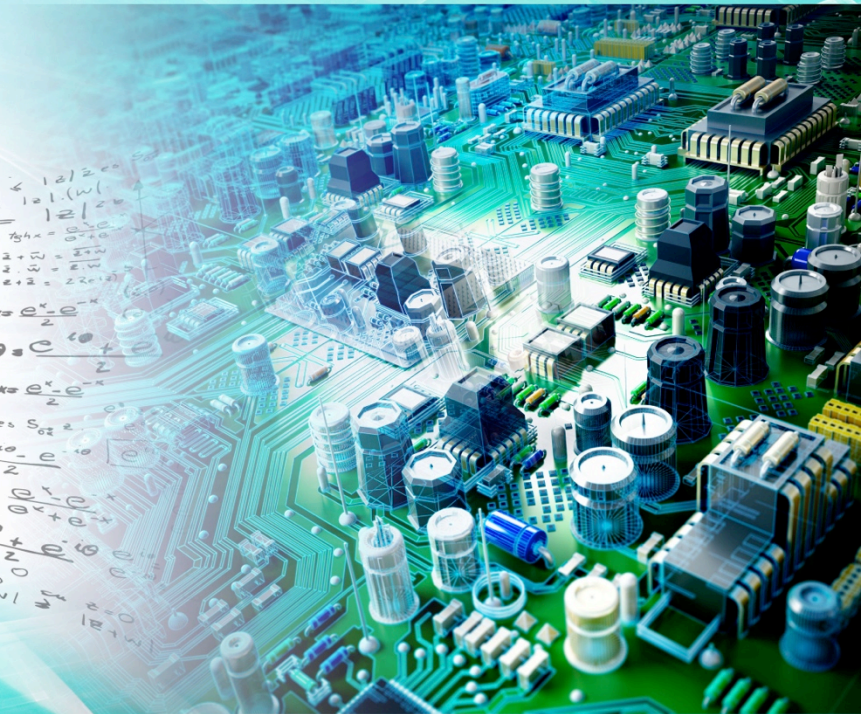
6. (T/F) Flicker noise is infinite at zero hertz, but zero hertz corresponds to infinite time which is not practical.

- a. True
- b. False

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Multiple Choice Quiz: Solutions

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