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Lock-in Amplifier or Boxcar Averager? Choosing the Right Measurement Tool for Periodic Signals

Thursday, November 2, 2023 11:00 AM - 12:00 PM EDT

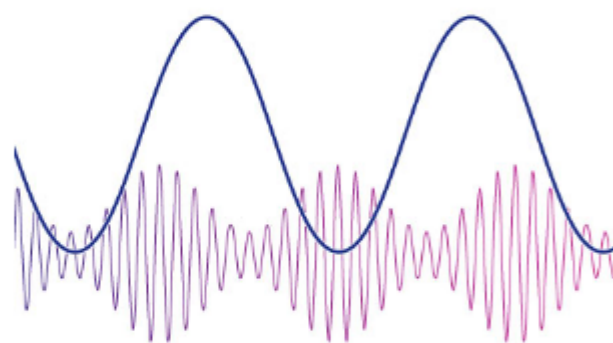
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When it comes to analyzing periodic signals, selecting the appropriate measurement tool is crucial for achieving accurate and meaningful results. Gustavo Ciardi, Ph.D, an application scientist for optics and photonics at Zurich Instruments, delves into the theory behind two powerful techniques, lock-in amplification and boxcar averaging, to help individuals make informed decisions in their measurement endeavors. Additionally, he shares how to gain a deeper understanding of the techniques' strengths, weaknesses, and the scientific contexts in which they excel. He aims to empower attendees with the knowledge needed to maximize signal-to-noise ratio, ensuring the highest precision in measurements. Presented by [Zurich Instruments](#).



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