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# DARK CURRENT AND ABSORPTION OF QUANTUM DOT INFRARED PHOTODETECTORS



Dark Current and
Absorption of Quantum Dot
Infrared Photodetectors
Theoretical modeling from the dark current and the



Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Theoretical modeling for the dark current and the absorption coefficient of QDIPs | Most of the currently available infrared photodetectors are of either the mercury cadmium telluride (HgCdTe) or quantum well infrared photodetectors (QWIPs) types. Both of these systems have certain drawbacks that have led to the search for better infrared photodetectors. Quantum dot infrared photodetectors (QDIPs) have been studied theoretically and experimentally, and are expected to surpass HgCdTe infrared photodetectors and...

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