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Fundamentals by Robert F. Pierret  
Instructor: Professor Kohei M. Itoh Keio University  
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#1 Optical Physics of Quantum

Wells David A. B. Miller Rm. 4B-401, AT&T Bell Laboratories  
Holmdel, NJ 07733-3030 USA  
1 Introduction Quantum wells are thin layered semiconductor structures in which we can observe and control Optical

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with optical  
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properties  
tailored to  
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•Understand  
and design  
electrical and  
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including  
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diodes, LEDs,  
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value falling  
between that  
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an insulator,  
such as  
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rises; metals  
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technologies that enable advances in materials, processes and device physics to be made.

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