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# Advanced Semiconductor Physics

EE698D, Fall 2004

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Group Number	Topic Chosen	Group Members	Remarks
1.	Electron transport in Nanowires: Size dependence	Bean, Khandelwal, Qin Zhang	(3 Students!)
2.	Bandstructure Modification by Strain in Semiconductors – Device Applications	Ding Liang Su Ning	(For Optical devices?)
3.	Negative Refractive Index Materials	Dane Wheeler, Jing Zhang	
4.	Bandstructure Modification by Strain in Semiconductors: Device Applications	Lili Ji, John Simon, Ni Man (Audit)	(For Nitrides ?)
5.	Spintronic Materials	Shaoping Shen, Zhiguo Ge	
6.	Electron Velocity-Field Characteristics in III-V Nitride Semiconductors	Kai Sun (Audit)	
7.	Thermal Conductivity of 2DEGs in GaN-based System	Wu Bin (Audit)	