

ECE 656: Week 6 References

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For clear discussion about fundamental issues underlying the Landauer Approach, see the new text by Datta.

Supriyo Datta, *Lessons from Nanoelectronics: A New Perspective on Transport - Basic Concepts* 2nd Edition, (Lessons from Nanoscience: a Lecture Notes Series), World Scientific, Singapore, 2017.

The now classic treatment of electron transport in small structure is also highly recommended too.

Supriyo Datta, *Electronic Transport in Mesoscopic Systems* (Cambridge Studies in Semiconductor Physics and Microelectronic Engineering), Cambridge, UK, 1995.

Ballistic transport of electrons and phonons in low dimensional systems is discuss in Chapter 11 of:

Mildred Dresselhaus, Gene Dresselhaus, Stephen B. Cronin, and Antonio Gomes Souza Filho, *Solid State Properties: From Bulk to Nano*, Springer-Verlag, Berlin, 2018.