

PX394: Electrons in Solids

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1.
Hook, J. R. & Hall, H. E. Solid state physics. vol. Manchester Physics Series (Wiley, 1991).
 2.
Hook, J. R., Hall, H. E. & Hall, H. E. Solid state physics. vol. The Manchester physics series (Wiley, 1991).
 3.
Feng, D. & Jin, G. Introduction to condensed matter physics. (World Scientific, 2005).
 4.
Solymar, L. Electrical Properties of Materials [electronic resource].
 5.
Solymar, L., Walsh, D. & Syms, R. R. A. Electrical properties of materials. (Oxford University Press, 2014).
 6.
Ashcroft, N. W. & Mermin, N. D. Solid state physics. ([Pacific Grove, CA], 1976).

7.

Math, Physics, and Engineering Applets. <http://www.falstad.com/mathphysics.html>.

8.

WebElements Periodic Table of the Elements. <http://www.webelements.com/>.

9.

Interview with Dan Shechtman - Media Player at Nobelprize.org.
<http://www.nobelprize.org/mediaplayer/index.php?id=1746>.

10.

The Oxford Solid State Basics | University of Oxford Podcasts - Audio and Video Lectures.
<http://podcasts.ox.ac.uk/series/oxford-solid-state-basics>.

11.

Blunt, M. O. et al. Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. *Science* **322**, 1077–1081 (2008).

12.

Weber, B. et al. Ohm's Law Survives to the Atomic Scale. *Science* **335**, 64–67 (2012).

13.

The Wiedemann-Franz law in the SU(N) Wolff model.
<http://arxiv.org/abs/cond-mat/0602374>?

14.

Dingle, R., Wiegmann, W. & Henry, C. Quantum States of Confined Carriers in Very Thin $\text{Al}_x\text{Ga}_{1-x}\text{As}$ -GaAs- $\text{Al}_x\text{Ga}_{1-x}\text{As}$ Heterostructures. *Physical Review Letters* **33**, 827–830 (1974).

15.

Sohrmann, C. Interactions in the integer quantum Hall effect.
<http://wrap.warwick.ac.uk/59339/> (2007).

16.

Jainendra, K. J. The Composite Fermion: A Quantum Particle and Its Quantum Fluids.
Physics today **53**, (2000).

17.

Thermoelectric Transport Properties in Disordered Systems Near the Anderson Transition.
European physical journal. **179**, (1999).

18.

Gabrielse, G. The standard models greatest triumph. Physics today **66**, (2013).