

PX394: Electrons in Solids

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[1]

Ashcroft, N.W. and Mermin, N.D. 1976. Solid state physics. [Pacific Grove, CA].

[2]

Blunt, M.O. et al. 2008. Random Tiling and Topological Defects in a Two-Dimensional Molecular Network. *Science*. 322, 5904 (Nov. 2008), 1077-1081.
DOI:<https://doi.org/10.1126/science.1163338>.

[3]

Dingle, R. et al. 1974. Quantum States of Confined Carriers in Very Thin $\text{Al}_{\{x\}}\text{Ga}_{\{1-x\}}\text{As}-\text{GaAs}-\text{Al}_{\{x\}}\text{Ga}_{\{1-x\}}\text{As}$ Heterostructures. *Physical Review Letters*. 33, 14 (Sep. 1974), 827-830. DOI:<https://doi.org/10.1103/PhysRevLett.33.827>.

[4]

Feng, D. and Jin, G. 2005. Introduction to condensed matter physics. World Scientific.

[5]

Gabrielse, G. 2013. The standard models greatest triumph. *Physics today*. 66, 12 (2013).

[6]

Hook, J.R. et al. 1991. Solid state physics. Wiley.

[7]

Hook, J.R. and Hall, H.E. 1991. Solid state physics. Wiley.

[8]

Interactions in the integer quantum Hall effect.: 2007. <http://wrap.warwick.ac.uk/59339/>.

[9]

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

[10]

Jainendra, K.J. 2000. The Composite Fermion: A Quantum Particle and Its Quantum Fluids. Physics today. 53, 4 (2000).

[11]

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

[12]

Solymar, L. et al. 2014. Electrical properties of materials. Oxford University Press.

[13]

Solymar, L. Electrical Properties of Materials [electronic resource].

[14]

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

[15]

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

[16]

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

[17]

Weber, B. et al. 2012. Ohm's Law Survives to the Atomic Scale. *Science*. 335, 6064 (Jan. 2012), 64–67. DOI:<https://doi.org/10.1126/science.1214319>.

[18]

1999. Thermoelectric Transport Properties in Disordered Systems Near the Anderson Transition. *European physical journal*. 179, 12 (1999).