

ITRAINONLINE MMTK

Additional resources: Basic Radio Physics

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Online resources

General

wikipedia

wikipedia.org

<http://wikipedia.org>

Last accessed: 14/03/05

For all basic topics in physics, wikipedia is an excellent starting point. It includes links to further reading - e.g.

<http://en.wikipedia.org/wiki/Electromagnetism>

[http://en.wikipedia.org/wiki/Maxwell%27s equations](http://en.wikipedia.org/wiki/Maxwell%27s_equations)

[http://en.wikipedia.org/wiki/Electromagnetic radiation](http://en.wikipedia.org/wiki/Electromagnetic_radiation)

World of Physics

<http://scienceworld.wolfram.com/physics/topics/ElectromagneticWaves.html>

Last accessed: 14/03/05

A physics portal with introduction articles on all areas of physics

physics.org

<http://www.physics.org/>

Last accessed: 14/03/05

Physics portal

Spread Spectrum Scene

<http://www.sss-mag.com/prop.html>

A good portal to Radio Propagation, incl. Links, software, books

ICTP Material

Various ICTP lecturers

http://wireless.ictp.it/school_2005/downloads.html#lecturenotes2

Last accessed: 14/03/05

A collection of excellent material on more radio specific physics topics, such as Radio Propagation.

The Basics of Radio Wave Propagation

Edwin C. Jones, MD, PhD (AE4TM)

<http://ecjones.org/propag.html>

Last accessed: 14/03/05

A Glossary

VHF/UHF/Microwave Radio Propagation: A Primer for Digital Experimenters

Barry McLarnon, VE3JF

<http://www.tapr.org/tapr/html/ve3jf.dcc97/ve3jf.dcc97.html>

Good general article from ham perspective.

Diffraction

An applet showing a case of diffraction

<http://www.um.es/LEQ/laser/Java/Javapm/java/Slitdiffr/>

Fresnel Zone calculator

<http://www.terabeam.com/support/calculations/fresnel-zone.php>