**Research papers**

Magnetocaloric effect and magnetic refrigeration – Vitalij K pecharsky, Karl A. Gshneidner Jr.

Journal of Magnetism and Magnetic Materials 200(1999) 44-56

On the low-temperature properties of TmRu2Si2 – Lukasz Gondek, Dariusz Kaczorowski, Andrzej Szytula

Solid State Communications (www.elsevier.com/locate/ssc)

**Books**

1. Physical modelling in Matlab – Allen B Downey
2. Engineering and Scientific Computations Using MATLAB - Sergey E. Lyshevski
3. Essential MATLAB for Engineers and Scientists - Brian D. Hahn & Daniel T. Valentine
4. Computational Statistics Handbook with MATLAB - Martinez & Martinez
5. Fundamentals of Electromagnetics with Matlab - Lonngren & Savov
6. Specific heats at low temperatures – E S R Gopal

**Web courses**

OCW - 6-00 Introduction to computer science and programming - Fall-2008

Prof. Eric Grimson

Prof. John Guttag

**Web links**

Julia sets

1. <http://aleph0.clarku.edu/~djoyce/julia/julia.html> - micromax
2. <http://www.mcgoodwin.net/julia/juliajewels.html>
3. <http://home.freeuk.net/alunw/mandelbrotroom.html>
4. <http://en.wikipedia.org/wiki/Mandelbrot_set>
5. <http://en.wikipedia.org/wiki/Julia_set>
6. <http://en.wikipedia.org/wiki/Filled_Julia_set>
7. <http://mathworld.wolfram.com/MandelbrotSet.html>
8. <http://en.wikipedia.org/wiki/Conceptual_model>
9. <http://en.wikipedia.org/wiki/Scientific_modelling>
10. <http://en.wikipedia.org/wiki/Mathematical_model>
11. <http://en.wikipedia.org/wiki/Simulation>
12. <http://en.wikipedia.org/wiki/Dynamical_system>
13. <http://en.wikipedia.org/wiki/Taylor_series>
14. <http://en.wikipedia.org/wiki/Chaos_theory>
15. <http://en.wikipedia.org/wiki/Stochastic_process>
16. <http://en.wikipedia.org/wiki/Statistics>
17. <http://en.wikipedia.org/wiki/Pseudorandom_number_generator>
18. <http://en.wikipedia.org/wiki/Random_walk>
19. <http://en.wikipedia.org/wiki/Monte_Carlo_method>
20. <http://home.freeuk.net/alunw/mandelbrotroom.html>