



# Fractals

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## Part 0 : The beginning



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# Podmienky

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- Za každú účasť na prednáške ... 1 bod
- Účasť .... max 10 bodov
- Referát (20 min.) .... max 10 bodov
- Hodnotenie:
  - A: 20, 19
  - B: 18, 17
  - C: 16, 15
  - D: 14, 13
  - E: 12, 11
  - Fx: 10, 9, ...



# Literatúra

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- Benoît B. Mandelbrot The Fractal Geometry of Nature. New York: W. H. Freeman and Co., 1982. ISBN 0-7167-1186-9
- Barnsley, Michael F., and Hawley Rising. Fractals Everywhere. Boston: Academic Press Professional, 1993. ISBN 0-12-079061-0
- Jürgens, Hartmut, Heins-Otto Peitgen, and Dietmar Saupe. Chaos and Fractals: New Frontiers of Science. New York: Springer-Verlag, 1992. ISBN 0-387-97903-4



# Členenie

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- Klasické fraktály
- IFS
- L – systémy
- Iteračné systémy
- Podivné attraktory



# Linky

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- [www.sccg.sk/~samuelcik/](http://www.sccg.sk/~samuelcik/)
- <http://fractals.freehostia.com/index.php?menu=1>
- <http://www.root.cz/serialy/fraktaly-v-pocitacove-grafice/>
- [www.google.com](http://www.google.com)
- [http://www.dmoz.org/Science/Math/Chaos\\_and\\_Fractals//](http://www.dmoz.org/Science/Math/Chaos_and_Fractals//)



End

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**End of Part 0**