

RankNet Investigatoin

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January 8, 2021

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	# #+TODO: TODO IN-PROGRESS WAITING DONE	

1 Text and References

Fractals are complex shapes that often occur from natural processes, in this report we hope to investigate the emergence of patterns and complex structures from natural phenomena. We begin with an investigation into fractals and the concept of dimension and then discuss links between fractal patterns and natural processes.

This is a Reference [3] and another [2] and yet another [1].

2 Fractals

Images are shown in figure 1.

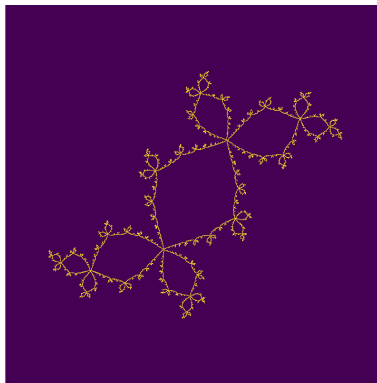


Figure 1: This is a test image showing the outline of a Julia set

References

- [1] Christopher Burges. *From RankNet to LambdaRank to LambdaMART: An Overview* (MSR-TR-2010-82. Jan. 1, 2010. URL: <https://www.microsoft.com/en-us/research/uploads/prod/2016/02/MSR-TR-2010-82.pdf> (cit. on p. 2).
- [2] Olympia Nicodemi, Melissa A. Sutherland, and Gary W. Towsley. *An Introduction to Abstract Algebra with Notes to the Future Teacher*. Includes bibliographic references (S. 391-394) and index. Upper Saddle River, NJ: Pearson Prentice Hall, 2007. 436 pp. ISBN: 978-0-13-101963-8 (cit. on p. 2).
- [3] Enmei Tu et al. *A Graph-Based Semi-Supervised k Nearest-Neighbor Method for Nonlinear Manifold Distributed Data Classification*. Comment: 32 pages, 12 figures, 7 tables. June 3, 2016. arXiv: [1606.00985](https://arxiv.org/abs/1606.00985) [cs, stat]. URL: <http://arxiv.org/abs/1606.00985> (visited on 12/02/2020) (cit. on p. 2).