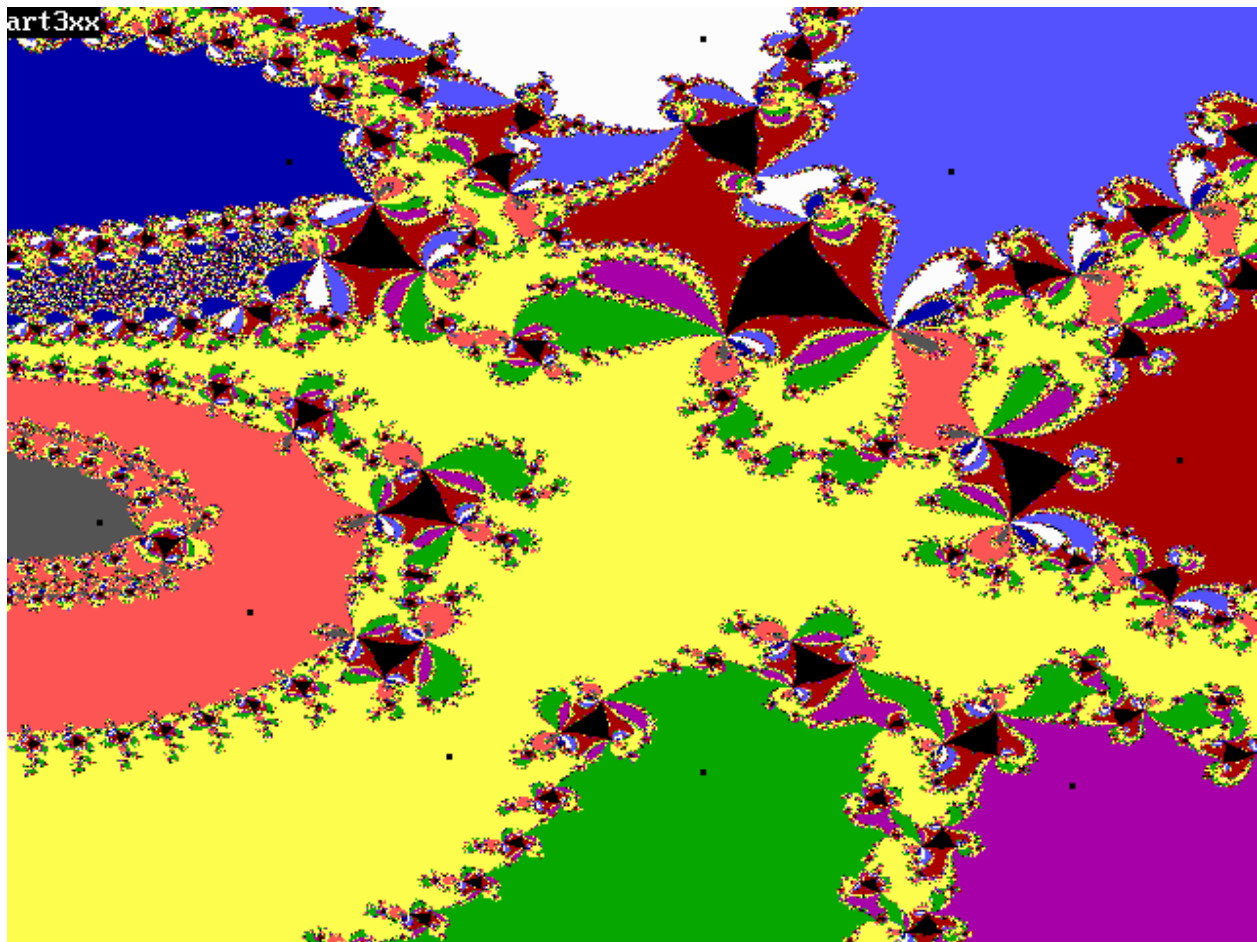# On fractals, solving complex polynomials, polynomiographs and the use of
modification and relaxation factors.

Jakob Vlietstra

Keywords: fractal, polynomiograph, seed value, root, convergence, divergence, modification/relaxation factor.

Contents

- **Author's Introduction**

- **Studies:**
  Part 1: Fractals, Functions and Feedback Systems
  Part 2: Analyzing and Visualizing Arithmetic Methods
  Part 3: Fractals revisited, Complex Equations and
  Polynomiographs
  Part 4: Methods for finding Roots of Polynomial Equations
  Part 5: Used programs.

- Appendices:
  (a) Ad Infinitum
  (b) Consulted Literature
  (c) Acknowledgements

- **Keywords:**
  fractal, polynomial equation, polynomiograph, mosaic,
  modification factor, relaxation factor, infinity, seed value,
  convergence, divergence, tolerance, error, set.