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Estimating Dimension and Lyapunov exponents

- (i) Limit sets for conformal iterated function schemes satisfying the open set condition. Different methods for estimating the Hausdorff dimension (= Box counting dimension) for these sets.
- (ii) Applications to Lagrange spectra in number theory (after Matheus and Moreira).
- (iii) Lyapunov exponents for random products of matrices.
- (iv) Applications to barycentric divisions of triangles.