Fractal Music

J. S. Bach, Canon Trias Harmonica, BWV 1072
www.youtube.com/watch?v=v62-kA6OXeE

- Algorithmic composition:
  - In general a way to procedurally generate music
  - It becomes fractal when based on the same types of iterative processes used to create fractal images
  - Mapping of geometric properties to musical parameters (melody, rhythm, tempo, etc.)
  - L-Systems can be used to generate rule-based compositions
Fractal Music

- Simple cells forming interesting and complex patterns when iterated
- Apply musical operations such as transposition, inversion, augmentation,...
- Analogy to geometric transformations like translation, scale and rotation applied to primitive objects

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Links:

- Algorithmic composition:
  - www.donarcher.com/music.htm

- Sonification:
  - www.youtube.com/watch?v=Wu3iRB0O0cM
  - www.youtube.com/watch?v=izne0lfYAyA
  - www.youtube.com/watch?v=3Br57CsDAFw