Algorithmic Music Composition

Presentation by

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- What is an "algorithm"? How it ap; lies to the music?
- History
 - The isorhythmic motet is the Ars Nova: Philippe de Vitry, Orlando di Lasso, Guinaume Dufay
 - The isorhythmic plotet in the Ethnic Musics: *India*
 - Technique analysis, listening samples
 - Algor toms in the Classical Era (Mozart, Beethoven)
- Contamporary composers: A. Berg, O. Messiaen, J. Cage

Constructing an Algorithm

- A simple musical sample and analysis
- Defining the algorithm for the given music sample
- Using the algorithm to create an analogous music sample
- Every music can be conceived as "algorithms"?
 - Open discussion...

Tools for Composign With Algorithms

- The computer languages
- LISP
- Common Music, open source, free music composing system. Common Music Nortion
- Programming simple a porithms, MIDI and notation output
 - Open discu≪ion...

Step by Step Application The Compositional Processes Behine. Shir Hashirim

- The music "idea", its expression and structuration
- Creating the algorithm for the , i that
- Coding the algorithm
- Testing and preliminary outputs
- Manuscripting st. yes from the raw output
- Re-using the code
 - On m discussion..

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Preso tation includes images, computer interaction and music