



Types of synthesis

Additive

Early electronic

- Teleharmonium
- Hammond organ

Digital

- RMI Harmonic Synthesizer
- EMS Digital Oscillator Bank (DOB)
- Fairlight Quasar M8
- Bell Labs Digital Synthesizer
- Synclavier II

Subtractive

Frequency Modulation (FM)

Hardware

- Yamaha DX7
- Yamaha SY99
- Yamaha FS1R

Software

- Native Instruments FM8
- Image-Line Sytrus

Phase distortion

- Casio CZ series

Scanned

- Csound
- Pure Data
- Scanned Synth VST
- ScanSynthGL

Linear Arithmetic (LA)

- Roland D-50
- Roland D-70

Physical modelling

- Digital waveguide synthesis
- Banded waveguide synthesis
- Karplus-Strong string synthesis
- Formant synthesis

Sample-based

Wavetable synthesis

- Sequential Circuits Prophet VS
- Korg Wavestation
- Yamaha SY series
- Korg OASYS

Vector synthesis

Granular

- Csound
- Max/MSP
- Reaktor
- SuperCollider
- AudioMulch

Analysis/resynthesis

- Vocoder
- Speech synthesis