

The What, How, and Why of Chiptune

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What exactly is chiptune you ask?



- Chiptune is music created using soundchips such as programmable sound generator (PSG)
- Really basic synthesizers
- Can only produce 3-4 notes simultaneously (INCLUDING SFX)
- often melody, harmony, bass, percussion- NES chip has:
 - channels 1 & 2 designated to square waves
 - 3 for triangle
 - 4 for noise
 - 5 (rarely ever used) for small audio samples

IT'S NOT A GENRE OR STYLE!

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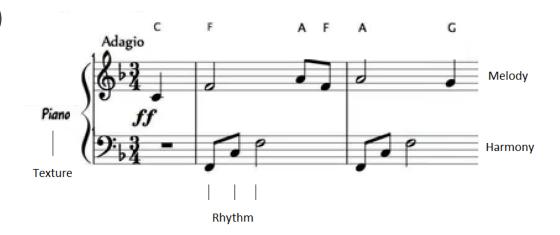
It's a texture

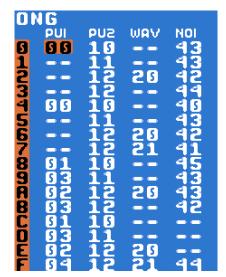
Between **melody, harmony, rhythm, and texture,** chiptune affects texture and harmony

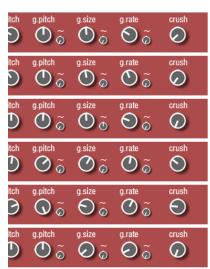
(specific waveforms and limited number of channels)

But it doesn't define genre (jazz, rock, baroque, etc)

What it does mean is that it is very melody focused









How do I write chiptune?

 Any synthesizer plugin such as Massive, Absynth, TAL noisemaker, or HELM

- •Tweakbench's VSTs: Peach, Toad, Triforce, Minerva
- Trackers (Little Sound DJ, famitracker, milkytracker, pico8)
- Plogue Chipcrusher

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byt $4a,$03,$4a,$03,$4a,$a3,$f8,$48
byt $03,$4a,$ff'
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When/why should you write with chiptune in the modern era?

When/why should you write with chiptune in the modern era?



Evoking RETRO

But just because something is pixel art, doesn't mean it needs chiptune

AND

Just because something ISN'T pixel art, doesn't mean it CAN'T have chiptune











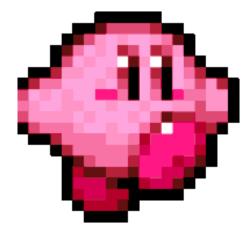


An Evolution of a "Genre"

- Like all forms of music, chiptune has evolved
- •Some forms of music have chiptune "flair" but may not strictly be chiptune

Takeaways I guess?

- •Experiment with composing it and find a tool that fits you. If you want to use a tracker go for it!
- •Though chiptune isn't a genre or a style, its restrictions in texture and harmonic depth put a major emphasis on expert melody writing
- •Chiptune is not necessary for all pixel art games, but it's definitely a good pair
- •Chiptune can be used for non pixel art games if you want to evoke a retro feel



Thanks! Got more questions? Need my links and junk?

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