

Conclusions

- Auto-Tune allows us to manipulate pitch as opposed to timbre
- It's an interesting tool that often gets typecast as a thing on rap tunes
- There are still uses cases that are not fully explored
- Thomas Bangalter “*we use Auto-Tune in a way it wasn't designed to work ... [p]eople are often afraid of things that sound new.*”



Further Reading / Links

- Wavetables
 - "Real-Time Audio Programming with Bela: Lecture 3"
<https://www.youtube.com/watch?v=fufNzqgjej0>
- Circular Buffers
 - "Real-Time Audio Programming with Bela: Lecture 11"
<https://www.youtube.com/watch?v=xQBftd7WNY8>
- Pitch Detection
 - "Pitch Perception Models" Alain de Cheveigné
http://recherche.ircam.fr/pcm/pressnitzer/P2web/Alain/2004_pitch_SHAR.pdf
- History of Auto-Tune: <https://soundstudiesblog.com/2014/04/21/its-about-time-auto-tune/>
- Profile of Andy Hildebrand: <http://priceconomics.com/the-inventor-of-auto-tune/>