

Optimising a pitch tracker

- Downsampling
- Sliding windows
- Neighbourhood search

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Human pitch perception ranges between ~20Hz and 5kHz - 44.1kHz is overkill for pitch

A soprano high C is 1046Hz - much lower than Nyquist frequency at 5kHz

We can do initial pitch detection on downsampled data

Requires a range of 2-110 lags at 5kHz