

1 2

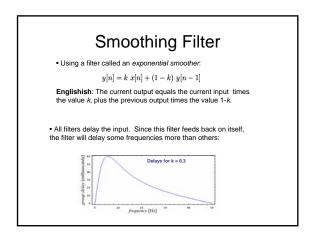
8

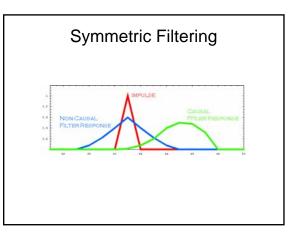
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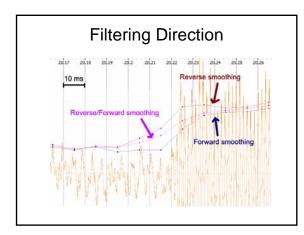
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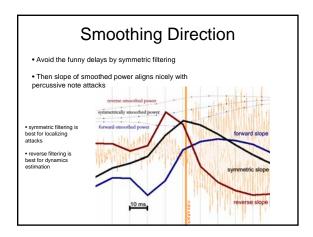
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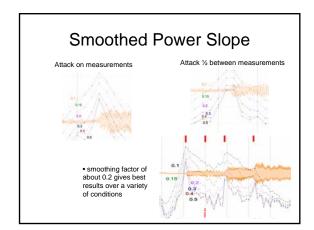
OK Cancel

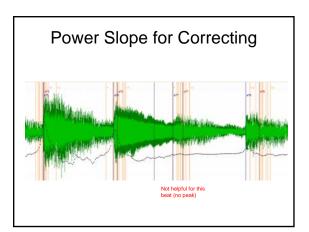


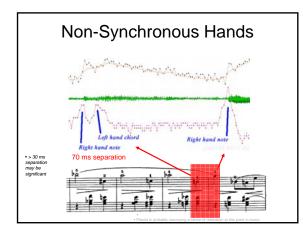












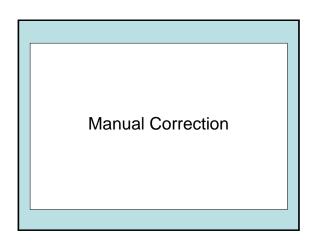
Advantages/Disadvantages

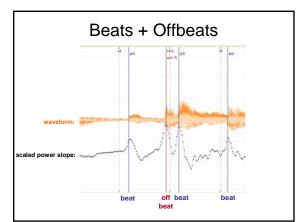
 Time domain analysis, so localization can be better than for frequency analysis metrics (E.g. Earis & Bello methods)

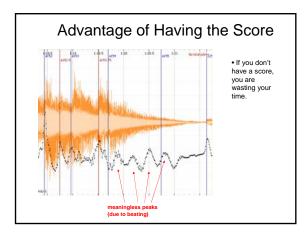
• Ignores frequency content, so not always or accurate.

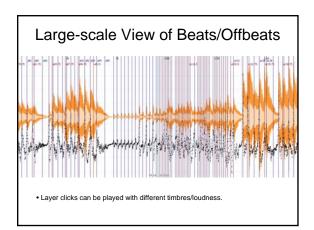
•Good for instruments with percussive attacks (i.e. piano, drums)

Probably not good for non-percussive instruments: voice, violin, woodwinds, brass, etc.





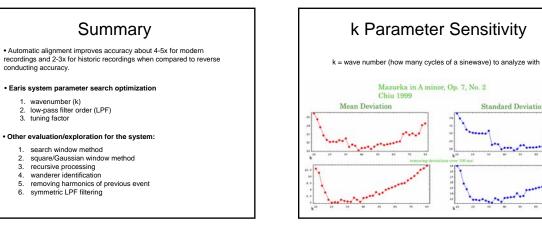


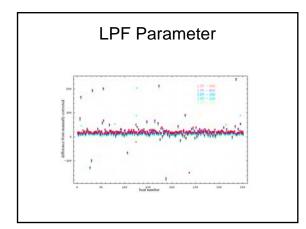


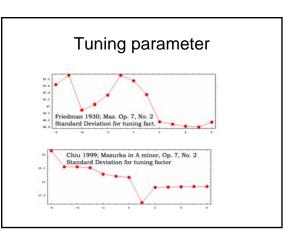
Probable Entry Scenario

- 0. Become familiar with the performance. (Score already entered) (15 min)
- Tap to performance in Sonic Visualiser (5 min)
- Cursory check of beat positions with onset annotations (10 min)
- Interpolate off-beat positions based on score
- View/listen to audio with beats/off-beats and automatic annotations (10 min)
- Automatic adjustments of the onset times of beats/off-beats
- Careful manual proof listening/reading of the automatically adjusted (30 min) times
- Extract secondary performance features such as dynamics and non-simultaneous chord notes. •
- red: manual time estimates for a 5 minute piece → about 2 hours for 5 minutes of music

Automatic Alignment Evaluation







Standard Deviation

and the second

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