

LoadSMPTE

synopsis

Get smpte time code from .wav file

syntax

```
smpte = LoadSMPTE(filesmpte, fpsmpte)
```

input parameters

filesmpte : .wav file containing the smpte time code

fpsmpte: frame rate of the input signal (e.g., 25)

output

smpte : 5 column matrix with hh mm ss ff audio_time

example

See attached Matlab script and material (audio and smpte file)

comments

Built on SMPTE_dec by Javier Jaimovitch (2011),

<http://www.philrees.co.uk/articles/timecode.htm#smpte>

SMPTEtoSec.m

synopsis

Conversion smtpe time code into seconds

syntax

```
sec = SMPTEtoSec(filesmpte, fcsmpte, onset)
```

input parameters

filesmpte : .wav file containing the smpte time code

fcsmpte: frame rate of the input signal (e.g., 25)

onset: smpte time code to convert

output

sec : scalar value of the smpte time code converted in seconds

examples

See attached Matlab script and material (audio and smpte file)

comments

none

SubSegAudioData

synopsis

Create segmented audio files (.wav) using smpte onset and offset
[*batch processing*]

syntax

```
SubSegAudioData( fileaudio, savedir, loadsmpte, fpsmpte, onset, offset )
```

input parameters

fileaudio : path to access .wav file(s) of the audio recording

savedir: path to save the resulting file

loadsmpte: path to access .wav file(s) containing the smpte signal

fpsmpte: frame rate of the input signal

onset: a four column matrix containing the smpte time code of the onset(s)

offset: a four column matrix containing the smpte time code of the offset(s)

output

.wav file(s) segmented using onset and offset values

examples

```
fileaudio='/Users/xxx/Documents/wav/';  
savedir='/Users/xxx/Documents/save/';  
loadsmpte='/Users/xxx/Documents/smpte/';  
fpsmpte=25;
```

-for one file

```
onset=[3,18,56,07];  
offset=[3,20,46,12];
```

-for multiple files

```
onset=[3,18,56,07; 3,18,56,07  
offset=[3,20,46,12;3,22,30,05];
```

Structure for Onset (idem for Offset)

	Trial01	Trial02
Segment01	3,18,56,07	3,18,56,07
Segment02	3,20,46,12	3,22,30,05

```
SubSegAudioData( fileaudio, savedir, loadsmpte, fpsmpte, onset, offset )
```

comments

Built on MIRToolbox

