Software player technology to run a picture cinema

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6 pages text and have 7 figures making 10 page article

Abstract

In this paper, we present for the first time a novel .jpeg format story board page for cartoon characters in the software feature film cinema studio industry to make cinema at millisecond time. The earlier works of the cinema studio industry uses Celtx commercial software where in-built figure selection is carried out for story board generation of cartoon character feature film. The use of Artificial Intelligence technology enabled AIDesign commercial software generates the .jpeg format story board with feature options of figure creation, selection, extrapolation and conversion of .jpegs into .mp4 software feature film as individual options along with complete software feature film product in the generation time of millisecond output feature film product. Also, other advantages of AIDesign commercial software is the software is loaded from AI operating system or as executable (.exe file) loaded from Windows operating system. The software generates the .jpeg story board using engineering and product design technology savy enabled trignometric operators, truncated Fourier series operators. Lastly, the software gets trained from the story board (.jpeg image) page 1 and page 2 and predicts the story board page 3 and page 4. Noteworthy aspect is the product design and art illustrated in this paper, provides the engineering and technology advancements to precision manufacture enabled with advancements of science of 2021.

Keywords: AI, AIDesign Commercial Software, Software Feature Film

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(5.1) Creation of a new cinema song Track in mp3 format

(a1) Lyrics – Text format

Waiting for a long time
Coming such a long time for you
Coming such a long time with you
Coming such a long time for you
Waiting for a long time
There's nothing I can give you
You can't give yourself
You gettin centimental when I talk bout my wealth
The King truly he is
Acknowledging without sham that he is
the one so far saying so in an epic
that makes a no battle with him life
mess with him is a sham
mess with him seen is a kill
I'm like
One day
I know
I got to shake it off
I been like this too long
Want to
Touch on
The plants
I got to make it out
Who gon come with me tho?
He is the one I liked today
I am that gal that made with saying yes
to the King an epic has seen
till date one king that won the battle
as king with no words in him as WAR
The King truly he is
Acknowledging without sham that he is
the one so far saying so in an epic
that makes a no battle with him life
mess with him is a sham
mess with him seen is a kill
There's nothing I can give you
You can't give yourself
You gettin centimental when I talk bout my wealth
He is the one I liked today
I am that gal that made with saying yes
to the King an epic has seen
till date one king that won the battle
as king with no words in him as WAR
Waiting for a long time

Coming such a long time for you
Coming such a long time with you
Coming such a long time for you
Waiting for a long time
There's nothing I can give you
You can't give yourself
You gettin centimental when I talk bout my wealth
The King truly he is
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I been like this too long
Want to
Touch on
The plants
I got to make it out
Who gon come with me tho?
He is the one I liked today
I am that gal that made with saying yes
to the King an epic has seen
till date one king that won the battle
as king with no words in him as WAR

(a2) lyrics Track in .txt format to vocal voice Track in mp3 format

ffmpeg -f lavfi -i "flite=textfile=lyricsTrack.txt":voice=slt vocalvoiceTrack.mp3

other voice selection options = rms, kal, kal16, awb

(a3) Load an instrument music Track in mp3 format

Instrument   music   Track   in   mp3   format   is   downloaded   for   free   from
https://www.bensound.com/royalty-free-music

(a4) Split instrument music Track in mp3 format to the time scale of the vocal voiceTrack in mp3 format using terminal command mp3splt

sudo apt-get install mp3splt

mp3splt -a -t 1.54 -o instrument_musicTrack@n -d Music_Track instrument_musicTrack.mp3

The -a tells mp3splt to auto-adjust the split point with silence detection.
The -t 1.54 tells it to make the files 1 minutes and 54 seconds long.

The -o instrument_musicTrack@n tells it to name the files as instrument_musicTrack followed by a track codec codes.
The -d Audio tells it to put the files in a directory called Music_Track
And finally, instrument_musicTrack.mp3 is the file you want to split.

(a5) Load the instrument music Track in mp3 format patched with vocal voice Track in mp3 format to generate new cinema song Track in mp3 format

ffmpeg -i instrument_musicTrack1.mp3 -i vocalvoiceTrack.mp3 -filter_complex amix=inputs=2:duration=longest   newcinema_songTrack.mp3

The software player launch cinema package is available in the GitHub, under free access and download at https://github.com/nandiga/software_player_launch_cinema
Also, the files of lyricsTrack.txt, vocalvoiceTrack.mp3, instrument_musicTrack.mp3, instrument_musicTrack1.mp3, newcinema_songTrack.mp3 are available in the GitHub, under free access and download at https://github.com/nandiga/software_player_launch_cinema

(5.2) Creation of a new cinema song video Track in mp4 format

(b1) Convert high resolution HD camera/Iphone HD camera .jpeg generated real human images in .jpeg format to new cinema song video Track in mp4 format

ffmpeg -r 1 -i image_%d.jpeg -vf "scale=1920:1080,format=yuv420p" -codec:v libx264 newcinema_songvideoTrack.mp4

(5.3) Computer Science and Technology for creation of software player to launch a new cinema song Track in mp3 format and new cinema song video Track in mp4 format of same time scale from different terminal operating systems/command prompt terminal namely, Windows, Linux, IPhone.

The package of the computer science and technology product software player launch cinema is available in the GitHub, under freeaccess and download at
https://github.com/nandiga/software_player_launch_cinema

Figure (5.2) High resolution HD camera and IPhone HD camera .jpeg generated real human images saved as .jpeg format

(6) Creation of a new cinema Fight Track in mp4 format

(6.1) Creation of a new cinema Fight music Track in mp3 format

Instrument Fight music Track in mp3 format is downloaded for free from ***https://www.bensound.com/royalty-free-music***

The software player launch cinema package is available in the GitHub, under free access and download at https://github.com/nandiga/software_player_launch_cinema
The files of instrument_fight_musicTrack1.mp3 is available in the GitHub, under free access and download at https://github.com/nandiga/software_player_launch_cinema

(b1) Split instrument Fight music Track in mp3 format to the time scale of Fight video Track in mp4 format using terminal command mp3splt

sudo apt-get install mp3splt

mp3splt -a -t 0.26 -o instrument_fight_musicTrack1@n -d Fight_Track
instrument_fight_musicTrack1.mp3

The -a tells mp3splt to auto-adjust the split point with silence detection.
The -t 0.26 tells it to make the files 26 seconds long.

The -o instrument_fight_musicTrack1@n tells it to name the files as
instrument_fight_musicTrack1 followed by a track codec codes.
The -d Fight_Track tells it to put the files in a directory called Fight_Track
And finally, instrument_fight_musicTrack1.mp3 is the file you want to split.

(6.2) Convert high resolution HD camera/Iphone HD camera fight track .jpeg shots saved as .jpeg format to new cinema Fight video Track in mp4 format

ffmpeg -r 1 -i image_%d.jpeg -vf "scale=1920:1080,format=yuv420p" -codec:v libx264
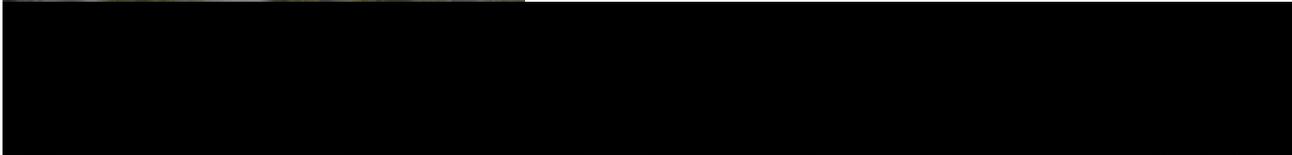newcinema_fightvideoTrack1.mp4

Figure (6.2) High resolution HD camera and IPhone HD camera fight track .jpeg shots saved as .jpeg format

(6.3) Computer Science and Technology for creation of software player to launch a new cinema Fight Music Track in mp3 format and new cinemaFight video Track in mp4 format of same time scale from different terminal operating systems/command prompt terminal namely, Windows, Linux, IPhone.

The package of the computer science and technology product software player launch cinema is available in the GitHub, under freeaccess and download at
https://github.com/nandiga/software_player_launch_cinema

(7) Creation of a new cinema Dialogue Track

(c1) Dialogue Track – Text format

station I hah hump

You hah no queen hah chaste, hump banish you to fire ash land no forest. You no queen just chaste.

(c2) Dialogue Track in .txt format to vocal dialogue Track in mp3 format

ffmpeg -f lavfi -i "flite=textfile=DialogueTrack1.txt":voice=kal vocaldialogue_track1.mp3

other voice selection options = rms, kal, kal16, awb

(c3) Load an instrument Fight music Track in mp3 format

Instrument   Fight   music   Track   in   mp3   format   is   downloaded   for   free   from
https://www.bensound.com/royalty-free-music

(c4) Split Instrument Fight music Track in mp3 format to the time scale of the vocal dialogueTrack in mp3 format using terminal command mp3splt

mp3splt -a -t 1.04 -o instrument_fight_musicTrack2@n -d instrument_music_dialogueTrack instrument_fight_musicTrack2.mp3

The -a tells mp3splt to auto-adjust the split point with silence detection.
The -t 1.04 tells it to make the files 1 minute 04 seconds long.

The -o instrument_fight_musicTrack2@n tells it to name the files as
instrument_fight_musicTrack2 followed by a track codec codes.

The -d instrument_music_dialogueTrack tells it to put the files in a directory called instrument_music_dialogueTrack

And finally, instrument_fight_musicTrack2.mp3 is the file you want to split.

(c5) Merge the instrument fight music Track in mp3 format with a vocal dialogue Track in mp3 format to generate new cinema vocal dialogue with instrument music Track in mp3 format

ffmpeg -i "concat: instrument_fight_musicTrack21.mp3|vocaldialogue_track1.mp3" -acodec copy newcinema_vocaldialogue_with_instrumentmusicTrack1.mp3

(7.2) Creation of a new cinema dialogue video Track in mp4 format

(d1) Convert high resolution HD camera/Iphone HD camera .jpeg generated real human images in .jpeg format to new cinema dialogue video Track in mp4 format

ffmpeg -r 1 -i image_%d.jpeg -vf "scale=1920:1080,format=yuv420p" -codec:v libx264 newcinema_dialoguevideoTrack1.mp4

(7.3) Computer Science and Technology for creation of software player to launch a new cinema vocal dialogue with instrument music Track in mp3 format and new cinema dialogue video Track in mp4 format of same time scale from different terminal operating systems/command prompt terminal namely, Windows, Linux, IPhone.

The package of the computer science and technology product software player launch cinema is available in the GitHub, under freeaccess and download at
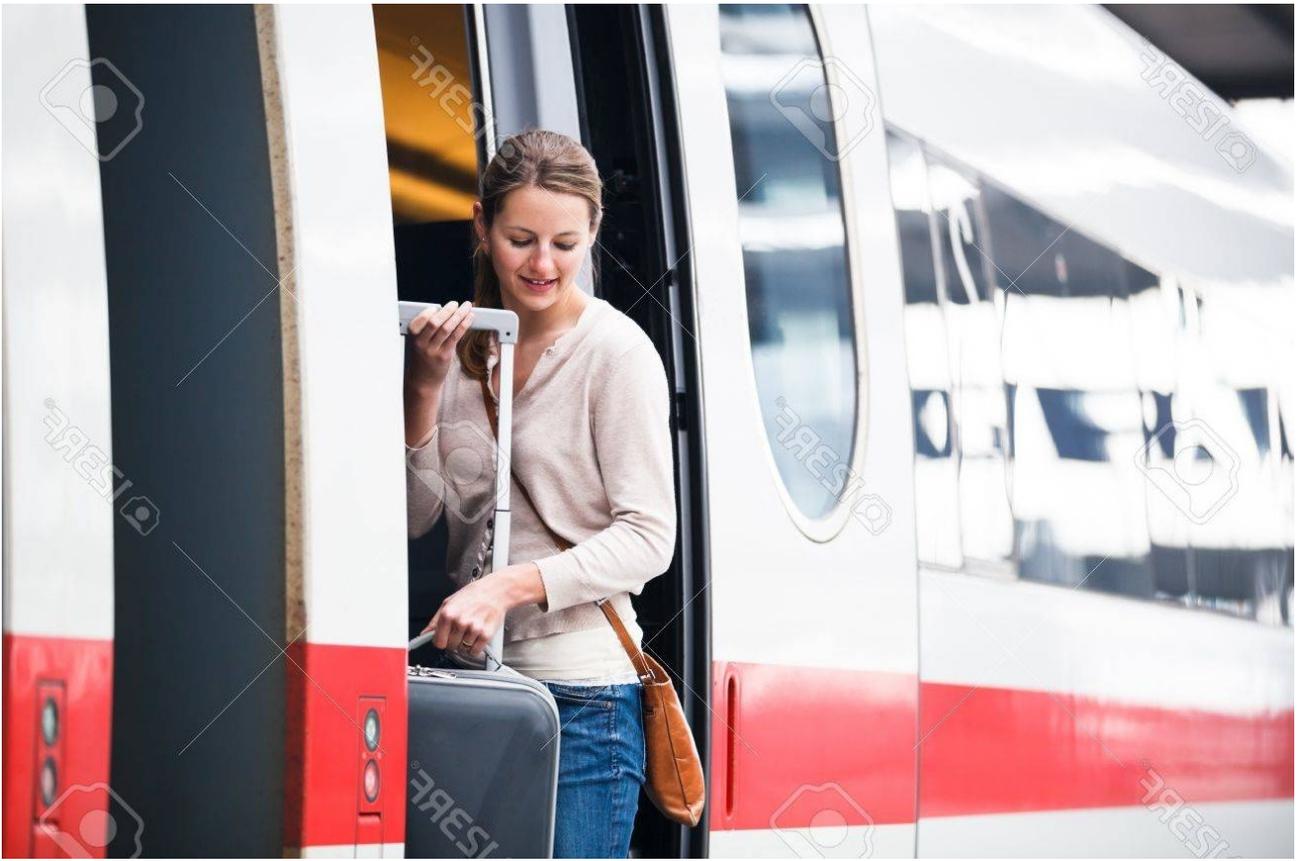https://github.com/nandiga/software_player_launch_cinema

Figure (7.2) High resolution HD camera and IPhone HD camera .jpeg generated real human images saved as .jpeg format

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(8) Creation of a new cinema continuous video Track from different video tracks in mp4 format and save as mp4 format

mencoder -oac lavc -ovc lavc RAMANYANA_VIDEO_1.mp4 RAMANYANA_VIDEO_2.mp4 -o FULL_RAMAYANA_VIDEO_MOVIE.mp4

(9) Creation of a new cinema continuous video Track from different video tracks in mp4 format and save as mkv format

mkvmerge -o outfile.mkv dialogue_lipsync_track1.mp4 \+ dialogue_lipsync_track2.mp4

make pdf from docx

lowriter --convert-to pdf input_file.docx

9. Conclusions

10. Acknowledgements

11. References

[1]   Animation, Walt Disney Animation Studios: The Archive Series #2, by Walt Disney Company, Published December 8th 2009 by Disney Editions.

[2]   Guide to New media- Writers Guild of America, (2015 book).

[3]   Art of Pixar Animation Studios Postcards (English, Postcard book or pack, Disney – Pixar).

[4]   The Art of Pixar, Volume II: 100 Collectible Postcards, from Chronicle Books includes stunning images from many iconic movies, from Ratatouille through Brave.

[5]   https://www.celtx.com/index.html

[6]   https://en.wikipedia.org/wiki/Celtx

[7]   https://www.imdb.com/title/tt0114709/

[8]   https://www.wonderlandpark.com/

[9]   Animation, Walt Disney Animation Studios: The Archive Series #2, by Walt Disney Company, Published December 8th 2009 by Disney Editions.

[10] Guide to New media- Writers Guild of America, (2015 book).

[11] Art of Pixar Animation Studios Postcards (English, Postcard book or pack, Disney – Pixar).

[12] The Art of Pixar, Volume II: 100 Collectible Postcards, from Chronicle Books includes stunning images from many iconic movies, from Ratatouille through Brave.

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[16] https://www.wonderlandpark.com/

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[23] https://www.imdb.com/title/tt0114709/

[24] https://www.wonderlandpark.com/