Tutorial pripremio Lazacar,

Text koji citate u vlasnistvu je burek forum-a (<u>http://forum.burek.co.yu</u>).

Ovako ja cu ovde da objasnjavam na konkretnom primeru kako obraditi video materijal i napraviti mix preko VD-a.

Prvo sto treba je da imate program (VirtualDub), i treba vam video materijal koji obradjujete i to bi bilo to.

E najbitnija stvar u svemu je kad spajate klipove tj. scene iz razlicitih filmova morate napraviti iste settingse fajlova da bi mogli da ih spojite.

1.- Otvorite VirtualDub koji izgleda ovako:



2.- Zatim idete na File>Open video file 嘲 VirtualDub 1.6.10 - [TopLista.avi] $\Theta \Theta \Theta$ <u>File Edit Go Video Audio Options Tools Help</u> Open video file. Reopen video file F2 Append AVI segment ... Preview input... Space Preview filtered ... Enter Preview output from start... F5 Top lista nadrealista Run video analysis pass ם Save as AVI ... F7 Save old format AVI ... Shift+F7 Save segmented AVI... Ctrl-W Close video file File Information... Set text information ... Tomaja@EUnet.yu Save striped AVI... Save stripe master... Save image sequence... Save WAV ... Load processing settings... Ctrl+L Save processing settings... Ctrl+S Start frame server ... Capture AVI... Run script... 70000 133366 Job control... F4 000 80000 90000 100000 110000 120000 rame 0 (0:00:00.000) [K] 1 D:\Top Lista Nadrealista\TopLista.avi 2 D: Willion Dollar Baby WILLION DOLLAR BABY.avi 3 D: \Hidalgo\hidalgo.avi 4 D:\Dracula\MOVIE\Dracula.avi Quit

3. - Otvorice prozor gde ce te izabrati file

		Open video té	9		.0
Look in:	C Top Lista N	ladrealista	-	- • •	Ļ
My Recent Documents	⊡ Nadrealisti ♪ TopLista				
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My Network	File pame:	TopLista		<u>•</u>	Open
1 100.00	Files of type:	All types (".avi,".mp	g,".mpeg,".mpv,"	m1v,".dat," 💌	Cancel
Ask for extend	fed options after	this dialog			
Automatically I	oad linked segme	nts			

4. - Kad je file ucitan pravimo zeljeni video file, gurnemo klizac na mesto gde zelimo da nam bude pocetak klipa:



5. – Zatim idemo Edit>Set selection start 嘲 VirtualDub 1.6.10 - [TopLista.avi] $\Theta \Theta \Theta$ File Edit Go Video Audio Options Tools Help Cut Ctrl+X Ctrl+C Сору Paste Ctrl+V Delete Del Select all Ctrl+A Set selection start Set selection end End Mask selected frames Unmask selected frames Revert all edits 20000 90000 100000 110000 120000 ΰ 10000 30000 40000 50000 60000 70000 80000 133366 🔟 🛌 🛌 🖂 👐 🖂 🖾 🦾 🕍 🚣 🔺 🔺 Frame 41689 (0:28:57.042) []

Mark the current frame as the beginning of a set of frames to delete or a subset to output.



6. - Kada smo oznacili pocetak klipa guramo klizac na mesto gde postavljamo kraj klipa

7. - Zatim idemo Edit>Set selection end

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Mark the current frame as the end of a set of frames to delete or a subset to output.





9. - Odaberemo Codec i kliknemo Ok

Select video compre	ssion 🛛 💮 💮
(Uncompressed RGB/YCbCr) 3ivx D4 4.5.1 Pro Video Codec Cinepak Codec by Radius DivX	Video codec information Delta frames No FOURCC code 'yv12' Driver name divx.dll Format restrictions:
Quality	1 <u>C</u> onfigure <u>A</u> bout
Use target data rate of kilobytes/se	roond
Force keyframes every frames	OK Cancel



11. - Dajemo ime klipu i stisnemo Save



12. - Cekamo da se zavrsi proces (par sekundi)

VirtualDub Status - [T	opLista.avi] 💮 💮 🤆
Main Video Perf	Log
Current video frame:	1817/4527
Current audio sample:	1704/4110
Video data:	7256KB (96KB/s)
Audio data:	852KB
Projected file size:	20137K
Video rendering rate:	64.00 fps
Time elapsed:	0:34
Total time (estimated):	1:23
Progress:	
Processing thread priority:	Normal
🔽 Show jnput video	
Show <u>o</u> utput video	Abort

13. - Ovaj postupak ponavljamo jos onoliko puta koliko zelim da napravimo klipova. Kad napravim klipove koje hocemo da spajamo prelazimo na proces spajanja.

	VirtualDu	1.6.10 - [TopLista.avi]	0 0 0
e <u>E</u> dit <u>G</u> o <u>V</u> ideo <u>A</u> udio <u>O</u> ptions <u>T</u> o	ols <u>H</u> elp		
Open video file	Ctrl+O		
Reopen video file	F2		
Append AVI segment			
Preview input	Space		
Preview filtered	Enter		
Preview output from start	F5	2	
Run video analysis pass			lista nodrealista
Save <u>a</u> s AVI	F7		
Save old format AVI	Shift+F7		
Save segmented AVI			
<u>C</u> lose video file	Ctrl-VV		
File Information			
Set text information			Tomaja@EUnet.yu
Save striped AVI			
Save stripe master			
Save image sequence			
Save WAV			
Load processing settings	Ctrl+L		
Save processing settings	Ctrl+S		
Start frame server			
Ca <u>p</u> ture AVI			
Run script			
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<u>1</u> D:\Top Lista Nadrealista\TopLista.avi		^r rame 0 (0:00:00.000) [K]	
2 D: Willion Dollar Baby WILLION DOLLAR E	IABY.avi		
<u>3</u> D:\Hidalgo\hidalgo.avi			
4 D:\Dracula\MOVIE\Dracula.avi			

15. - Ucitavamo zeljeni klip, zatim idemo File>Append AVI segment i ucitavamo sledeci klip koji smo napravili prethodnom metodom i postupak ponavljamo onoliko puta koliko hocemo da spojimo klipova, zatim idemo File>Save as AVI i cekamo da zavrsi proces spajanja



16. - Ovo je metoda spajnja klipova u jedan, e sad prilikom spajanja moze da dodje do prijavljivanja gresaka ukoliko se nedrzi onog prvog korak a to je da klipovi moraju da imaju iste settings postavke i prilikom spajanja moze da izbaci sledecu poruku:

6		VirtualDub Error	Θ
8	Cannot append segment "E:VFilmo sampling rates (24.00000 vs. 23.9	vi¥Filmovi¥Hotel Rwanda¥Hotel Rwanda 1.avi": Th 97600)	e video streams have different
		ок	

17. - Da bi videli o cemu se radi ucitavate klip idete File>File information i vidite settings za svaki klip:

/ideo stream	
Frame size, fps (µs per frame)	384x288, 24.000 fps (41667 µs)
Length:	133366 frames (1:32:36.91)
Decompressor:	DivX ;-) MPEG-4 Low-Motion
Number of key frames:	556
Min/avg/max/total key frame size:	2005/9110/17218 (4947K)
Min/avg/max/total delta frame size:	56/4812/62330 (624157K)
Data rate:	927 kbps (0.49% overhead)
Audio stream	
Sampling rate:	22050Hz
Channels:	1 (Mono)
Sample precision:	N/A
Compression:	Microsoft ADPCM CODEC
Layout:	5557 chunks (17.99s preload)
Length:	121069 samples (1:32:36.91)
Min/avg/max/total frame size:	10240/11154/11264 (60535K)
Data rate:	89 kbps (0.21% overhead)
	OK

Da bi ispravili gresku morate da napravite iste postavke i kod jednog i kod drugog klipa i to na sledeci nacin

18. -Kada snimate Audio settings prvo morate da odvojite Audio file od Video file-a i to na sledeci nacin.Ucitate pomenuti klip i idete na File>Save WAV



19. - Kad ste izvukli Audio iz Videa, obradjujete pomenuti Audio File. Ucitate File, oznacite postavke i kliknete Conversion:



图	VirtualDub 1.6.10 (build 23648/release) by Avery Lee	000
re ∎ Ejie <u>E</u> dit <u>Qo ⊻</u> ideo	Audio Options Loois Help Interleaving Ctrl+I Compression Use advanced filtering Pitters Conversion Yolume Yolume No audio Source audio Source audio WAV Audio Direct stream copy Full processing mode Error mode Error mode	
	ا الله الله الله الله الله الله الله ال	b

20. - Oznacite zeljene postavke kako zelite, podesavate jedan klip prema drugom i snimate postavke:

Sampling rate		
 No change (22050Hz) 8000Hz 11025Hz 	Custom	
16000Hz 22050Hz		
💮 44100Hz	Integral conversion	
48000Hz	High quality	
Precision	Channels	
No change (8-bit)	No change (mono)	
💮 8-bit	💮 Mono 💮 Left	
C 16-bit	C Stereo C Rig	ht
		ancel

Kad je gotova obrada Audio file-a prelazite na spajanje novih postavki na pomenuti klip.

21. - Prvo morate da izbacite Audio file iz klipa koji obradjujete, oznacite postavke



22. - Snimate klip sa novim postavkama (bez Audio file-a)



Zatim prelazite na obradu Video file

23. - Podesavate Frame Rate (Video>Frame Rate) file-a (kod vecine snimaka ovo nije potrebno):



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(23.998 fps)	
deo desynchronization.	
Convert to fps:	
Offset: 1	1
The second	and the state of the
1 Inve	an polarity
	trol d (23.998 fps) deo desynchronization. C Convert to fps:

24. - Zatim prelazite na podesavanje same rezolucije i to

Filters	000
	ОК
	Cancel
	<u>A</u> dd
	Delete
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	Move D <u>o</u> wn
	Cropping
	Configure

2:1 reduction (high quality)	(internal)	ОК
2: I reduction olur more olur	(internal) (internal) (internal)	Cancel
orightness/contrast chroma smoother	(internal) (internal) (internal)	Load
leinterlace	(internal)	
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lip vertically general convolution grayscale HSV adiust	(internal) (internal) (internal) finternal)	Ŭ,
emoves scanline artifacts from interla	ced video.	

Filter: Dein	terlace	000
Deinterlacing mode:		
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25. - I zavrsna obrada spajate Video i novi Audio file sto ste napravili i to ucitavate Video file (File>Open video file) i ucitavate Audio file koji ste napravili:



Ukoliko ste se drzali gornjih uputstava podesavanje kodeka nije potrebno

26.- Zatim idete File>Save processing settings



27. – I opet se ide File>Save as AVI i snima se klip sa novim postavkama i prelazi se na spajanje klipa iz gornjih koraka:

