K. Kotsemyr
Research supervisor: T.A. Vakaliuk,
Candidate of Pedagogy, Associate Professor
Zhytomyr Ivan Franko State University
Language tutor: A.V. Kuznyetsova,
Candidate of Philology, Associate Professor

METHODS OF PROCESSING VIDEO DATA

Video Editor is a computer program, which includes a set of tools that enable non-linear editing of video and audio files on a computer. Besides, most video editors can create and apply titles, make colour and tone correction of the image, create visual effects. Professional purpose programs make it possible to synchronize the sound with the illustration using time code [1].

Effects and filters allow adjusting and changing the characteristics of the video.

There are famous free video editors: Windows Movie Maker, VSDC Free, Video Editor, Ezvid Video Editor, Avidemux, VirtualDub.

Among popular free offline video editors are: Adobe After Effects, AviSynth, Adobe Premiere, Avidemux, AVS Video Editor, Camtasia Studio, Avid Media Composer, Canopus Edius, Cinelerra, Corel VideoStudio, Kdenlive, Kino, LiVES, Ulead VideoStudio, Magix, Movavi Video Editor, OpenShot Video Editor, Pinnacle Studio, PiTiVi, Sony Vegas, VirtualDub, Windows Movie Maker, Final Cut Pro video editing. Online video editors are: Filelab Video Editor, MotionBox, MIXandMASH.tv, One True Media, Movie Masher, Photobucket, Toufee, popcorn.webmaker.org.

And the last tool of a video maker is codec. Editor and player usually have a set of multiple codecs. Therefore, for video, one needs to fill up a set of codecs. For this a set of K-Lite Codec Pack is suitable, installing it you can forget that video or audio-files don't open. It's important to remember that there's no need to install all available codecs, for the program to work without errors.[2]

To make video editing special computer software is required. For simple work in Windows Me and Windows XP the program Windows Movie Maker can be used. For more complex video editing software Ulead Media Studio Pro is often used.[2]

Just due to video editing it is possible to get video images from either one or several sources of video, change and improve them and save the video results. There are two types of installation: mounting assembly and mounting insert. Mounting assembly is used to create edited video by rerecording it from several

recordings or sources of video signal. Here a new scene is added to the end of the previous one. Installation insert is used to replace one scene by another.

LITERATURE

1. Т.П. Караванова "Інформатика" Навч. посіб. із поглибленим вивченням інформатики. – К.: Генеза, 2007. – 216 с.: іл.

2. Еремин Е. А. Представление видеоинформации в ЭВМ. "Информатика", 2004, № 46. – С. 16-17.