# "A Study on Video Editing Software: Final Cut Pro X and Adobe Premiere Pro CC"

**B.Padmavathy**

Assistant Professor, Dept. Visual communication,

Care College Arts & Science, Trichy

**Abstract:**

The present research contrasts the editing programmes Adobe Premiere Pro CC and Final Cut Pro. Their unique feature sets serve as the main basis for assessing these two video editors. Since every video editor differs in the platform on which it operates and the makeup of its components, this provides the most insightful comparative analysis. As of the time of this writing, everyone is aware of Apple's redesign of Final Cut Pro as a "X" version, which is unlike anything you've ever used. Is iMovie Pro used? superficially only it transcends that so greatly. FCP X is a completely new paradigm in editing, so Apple did get one thing right using their National Association of Broadcasters secret peek. In addition its the widely used video the editing programme Premiere Pro, the Adobe's editor now directs new users to its library of learn more courses. In addition to potentially eliminating in-person instructors, this drive to having the tool teach itself also "naturalises" the professionalisation rhetoric in video production education under the pretence of "neutral" technology. Lessons on Premiere's features, such as colour correction, sequencing, and audio mixing capabilities, sometimes emphasized a technical, "how-to" technique to creating videos, but ignoring important "why" considerations about meaning and representation. In this research, the core uses of Adobe's Premiere Pro CC and Final Cut Pro X are compared and contrasted.

**Key words:** Video editing software, Adobe Premiere Pro CC, and Final Cut Pro X, Video production pedagogy, software studies, critical media analysis.

**Introduction:**

Premiere Professional CC compared Final Cut Professional X this is a common question that many who hope to start editing videos ask two of the most popular video editing software programmes available both are powerful features that are considered by the industry and have been used to edit big-budget movies. A video editor is an element of application that automatically assembles film segments using video editing tools. Video editing software does non-linear video editing, preserving the source material. The majority of contemporary transcoding programmes provide operations like cropping and trimming that involve only a section of a video clip. Various non-linear video editing methods like composition or compositing can be used to trim or crop while converting. We'll compare Adobe Premiere Pro with Apple's Final Cut Pro X in this post, examining their differences, the platforms on which they run, and how simple they are to learn. In order to help you decide which editor to use, we'll also look at which other programmes they are compatible with, additional significant features they both contain, and the types of support and dependability they both give.

**Adobe premiere pro CC and Final cut pro X**

**Final cut pro X :**

Layers of video, audio, and effects are placed in their own "tracks" in layers along your timeline in the other three professional editing programmes. The conventional method of editing, which is effective for challenging assignments. But practiced is necessary. and enduran

Final Cut Pro employs what Apple refers to as a "magnetic" timeline to make basic editing simpler. There are two key ways in which this method differs from the conventional, track-based timeline: When it comes to providing cutting-edge technology features, Final Cut Pro competes with other seasoned editors. Among the highlights are:
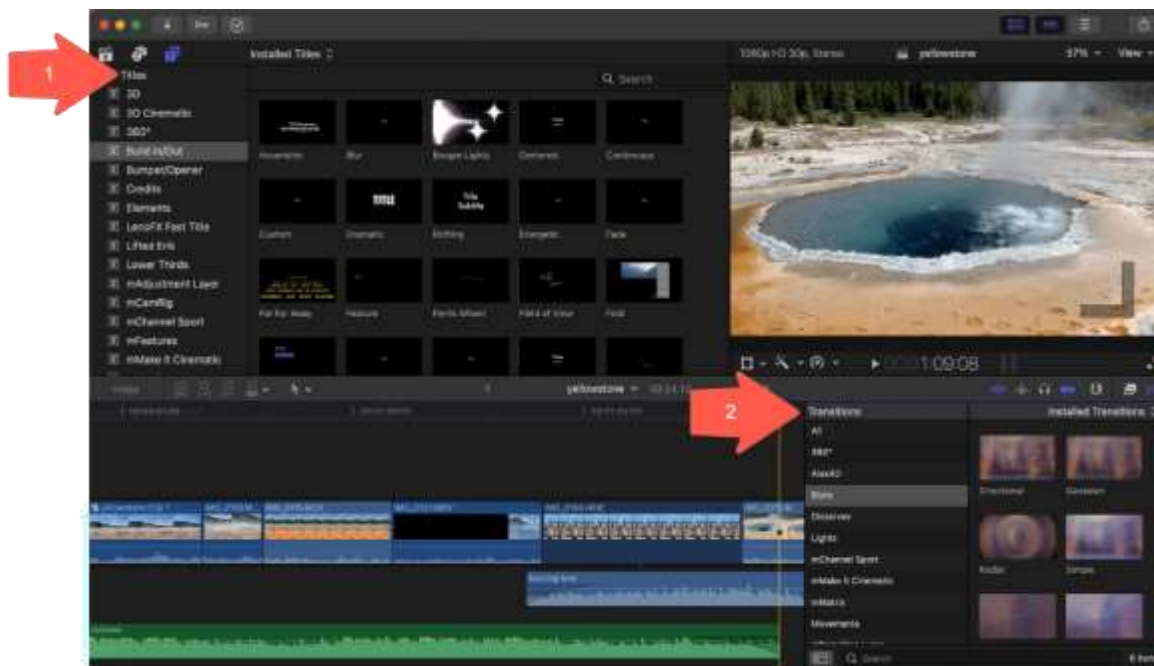


Figure 1: Final Cut Pro X Interface

Macromedia Incinitially created Final Cut Pro, a non-linear video editing programme. Later, Apple Inc continued to develop it. It was created for macOS Non-destructive editing is offered editing for many film and video formats, including as DV, HDV, P2 MXF, XDCAM, 2K, 4K, and 5K. A wide variety of video and audio filters are available It can combine video from many camera sources by performing multi-camera editing. Additionally, it supports an unlimited number of audio tracks and multiple video tracks that are composited simultaneously. It has video scopes, a manual 3-way colour correcting filter, and a number of generators. The fact that Final Cut Pro handles 4K video files with ease is one of its greatest advantages. Another benefit is the simplicity with which motion titles may be easily edited and customized within the platform, negating the need for additional third-party programmes. Although it has an additional standalone cost, FCP X integrates with Apple's Motion and Compressor motion graphics and content delivery programmes. From this point, users can produce output content in a variety of formats, including 360-degree output, as well as 2D and 3D titles, transitions, and real-time effects.

| Apple Final Cut Pro | Adobe Premiere Pro |
|---|---|
| Render All – 4K ProRes 4:2:2 | Render In to Out – 4K ProRes 4:2:2 |
| Export Master File | Export Using Sequence Settings |
| Export H.264 – Better Quality | Export H.264 – Target Bitrate 51Mbps |
| Export HEVC – 8-bit | Export H.265 – Target Bitrate 15Mbps |
| Automatic Stabilization – 15 Second Clip | Warp Stabilize – 15 Second Clip |

**Adobe Premiere Pro CC:**

Adobe Systems created Adobe Premiere Pro, a programme for editing videos in 2003, it made its debut. It is a multi-workstation programme with a timeline-based video editor. In both RGB and YUV formats, Premiere Pro can enable high resolution editing at up to 10,240 8,192 resolution and 32 bits per channel. Both VST audio plug-ins and audio sample-level editing are supported. Additionally, it works with a wide range of codecs and video and audio file formats on both Windows and MacOS. After the initial release of Adobe Premiere in 1991. There are many things to enjoy about the video editor Premiere Pro, including its outstanding workflow flexibility, strong focus on collaborative projects, potent adjustment layers, and raw controls to keep footage looking its best. Although fully customizable, its panel-based user interface keeps a tidy workspace. For more intricate editing features like Lumetri Colour for grading in Premiere Pro, basic editing tools like track selection, cutting, and ripple or rolling edit functions provide the foundation. In fact, the programme is compatible.

The media on the storage device will be renamed when files and other media are renamed inside of Premiere Pro, and vice versa. That means there won't be any misunderstandings about backing up data and there won't be as much duplication of content, which is great news if you want to keep the storage footprint on your hard drive to a minimum.



figure 2: Adobe Premiere pro cc Interface

**Comparative Study and Analysis:**

Both programmes are capable of handling different frame rates, file sizes, and source media codes. Installing plug-ins is necessary for high-end RED Camera file formats, however that is an extremely rare occurrence. Only a few video formats can be handled directly by Apple without conversion. However, it does so using Final Cut Pro X's preferred codec, Pro Since there are no built-in transcoding algorithms in Adobe Premiere Pro CC, editors can import files in their native formats in the editing panel enables us to open many projects and transfer video between them, which is beneficial.

You only have one option for Windows because FCP X isn't available for PC. Despite this, comparing the two software without taking into account operating systems might be challenging. Both of these video editing programmes are extremely powerful and, in the hands of the right editor, equally effective. The seamless integration of Premiere Pro with other Adobe products like Photoshop, Illustrator, Audition, and Stock results in a more unified.

Final Cut Pro vs Premiere Pro
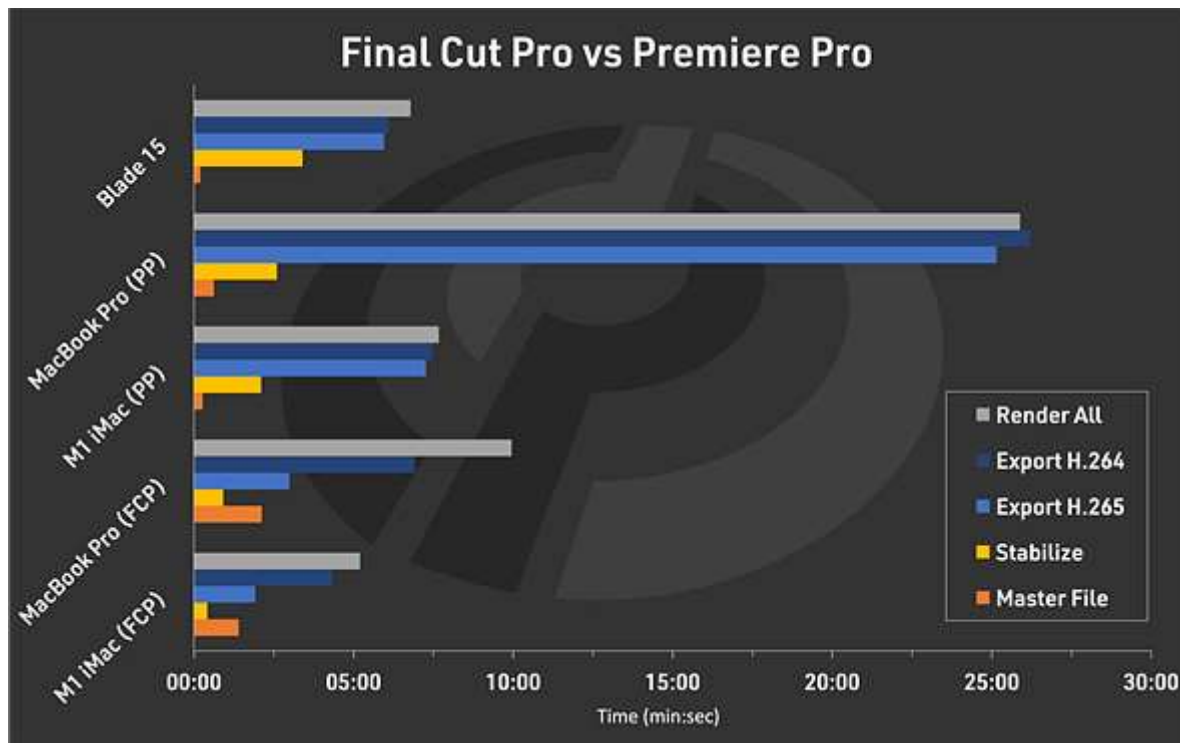
**various business models:**

There are three fundamentally different strategies used by Adobe, Apple, and Avid. Whereas Final Cut Pro only functions on computers with Apple hardware, Adobe Premiere Pro offers cross-platform options. The majority of Adobe's content development products are often only available with a Creative Cloud (CC) membership. Individual users have access to every creative application, however the application ceases to function when they cancel their subscription. Then, users can install software on as many Apple or Windows computers as they like, but only two can be activated at once.

Both apps do provide ways to further improve performance proxy servers are used by Premiere and FCPX to speed up file rendering, which is crucial if you're working with uncompressed or RAW video formats.

All things considered, FCPX is frequently praised for its unmatched rendering and performance rates. Premiere isn't far behind and would probably still be preferred for more demanding jobs, but your operating system and the project you're working on will determine this.

**Output Excellence:**

Apple is recognized for providing effective customer service, and FCPX is no exception. Users can visit the Apple Support Community to obtain broad answers to their questions, or they can respond to a few questions to be connected to a support staff member for a web or phone session. As an alternative, there are comprehensive, step-by-step guidelines that assist users in manually isolating and fixing technical difficulties. Our current outputs are HD (or even SD), but in the future, higher resolutions like 2K, UHD, and 4K will be employed. Both programmes can easily handle sources that are heavier than HD formats. The 6k camera files from the RED Epic Dragon can be handled by Premiere Pro and Final Cut Pro. Both Adobe and Apple have the ability to output larger, heavier files and sequence sizes, such as 2k and 4k.

**Premiere Pro Advantage:**

(1) Creative Cloud -The ability to utilise all of Adobe's professional applications, such as Photoshop, After Effects, and Illustrator, makes the Creative Cloud an appealing alternative and pushes users to master new skills. (2) Dynamic Link - As was already mentioned, using multiple applications is beneficial, but importing and exporting data across programmes without having to render files or lose layer information is fantastic. (3) Colour Correction - Premier Pro provides a variety of built-in tools for colour adjustments, and ever since Lumetri was introduced, we can do effective colour adjustments quickly. (4) Cross-platform compatible- Premiere Pro is and may be used on a Mac or a PC. Whether a user has a modern Apple laptop or an outdated PC setup, Premiere Pro should work and run on both. Users don't have to buy new equipment here, which cuts costs.

**Premiere Pro Disavantage:**

1. While editing, Multi Timelines should be on continuous play. The play head on the timeline keeps moving and responds to all user input (2) Right click appears in on various screens – Editors typically utilise two screens and discovered that if you right-click on the second screen, the drop on another screen, a drop-down list displays. (3) Ineffective use of dynamic links - They didn't function as intended should it wouldn't work if we updated the project in after effects. update in Premiere Pro, or else it would do so but it would produce an outdated version when rendered. (4) Render Fails - Just hearing "Unknown" causes a render to fail. Error'. The wide time lining makes tracking difficult in which render failed. Frequently observed were effects on clips.

**Final Cut Pro Advantage:**

Constant Autosave - Lacks a save function but yet performs admirably. For instance, when a computer crashes, data can be lost, but thanks to autosave, you can just reload your FCPX library to see your timeline precisely as it was prior to the disaster. (2) Working on multiple projects at once: This seemingly insignificant feature actually facilitates day-to-day project work. It makes it possible to swiftly review another client's project while working on a project for a different client. Because we can open multiple projects and share footage between them, it may even be more beneficial. (3) The ability to organise better is a great strength of FCP. The keyword folders are so much more effective at organising media than other NLEs that we're certain they'll end up duplicating them. You can use keywords to organise your sequences and files, and any video can have as many keywords as you choose. This function may seem simple, but we've found that by organising your film in this way, we can edit more quickly and effectively.

**Final Cut Pro Disadvantage:**

(1). While we genuinely like FCPX's no-tracks editing approach, it does make audio mixing a little trickier. While there are no tracks in FCPX, all audio cutting must be done at the clip level, in contrast to Premiere Pro where audio files can be changed and keyframed. (2) Colour Correction: The absence of a curves window in FCP's built-in colour corrector in FCPX is the most notable feature. Although the FCPX tool is not at all bad, controlling an image's exposure or colour can be challenging. (3) The attraction of a magnetic timeline lets you shift objects around in your timeline using a range of techniques, such as, a greater frequency.

**Conclusion:**

The software designed specifically for editing and improving videos is what makes up a video editor. In this post, we compared the two types of video editors' features, versions, and fundamental platform requirements. The characteristics provide a fundamental understanding of the differences between the two software. This study provides information on the two editors, including how and where they can be applied. This study demonstrates how both software have evolved and added functionality over time. Professional settings require either Premiere Pro by Adobe and Final Cut Pro to be used. Speed is one feature that Adobe doesn't have, but it does in Final Cut Pro X. It provides a speedier, more comfortable, and pain-free experience for the user.The capabilities and capability of both Premiere Pro and Final Cut Pro X are demonstrated. With its unmatched rendering speeds and straightforward design, FCPX takes the lead if you're searching for a quicker, simpler interface. The brief purchase is unquestionably more attractive because it gives users unlimited usage as opposed to rolling monthly or yearly payments. However, people who use Windows or those working on more difficult projects may find Premiere Pro to be a better choice.

**References:**

1.http://www.4kshooters.net/2016/12/13/final-cut-pro-x-vs-adobe-premiere-cc-2017-which-is-the-best-video-editor-for your-needs/

2.https://www.creativebloq.com/advice/premiere-pro-vs-final-cut-pro

3. https://digitalfilms.wordpress.com/2014/02/07/comparing-final-cut-pro-x-media-composer-and-premiere-pro-cc/

4. https://blog.udemy.com/adobe-premiere-vs-final-cut-pro/

5. http://nwdocumentary.org/premiere-and-final-cut-whats-the-difference

6. https://filmora.wondershare.com/final-cut-pro/final-cut-pro-vs-adobe-premiere.html

7. https://digitalfilms.wordpress.com/2014/02/07/comparing-final-cut-pro-x-media-composer-and-premiere-pro-cc/

8. http://www.vivalazoom.co.uk/premiere-vs-final-cut-pro/

9. https://www.softwarehow.com/final-cut-pro-review/

10. https://www.trustradius.com/products/final-cut-pro/reviews?qs=pros-and-cons

11. https://blog.frame.io/2022/11/14/troubleshooting-common-premiere-pro-problems/