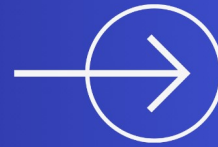


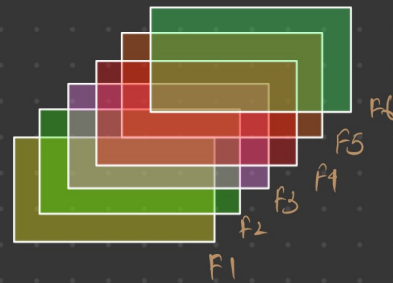
Working With Video Files



www.krishnaik.in

Video →

Sequence of images (called frames)
when played in a rapid succession
creates illusion of motion.



1 FPS (1 frame/sec)

time → seconds

$T_0 \rightarrow F_1$

$T_1 \rightarrow F_2$

$T_3 \rightarrow F_3$

⋮

$T_6 \rightarrow F_6$

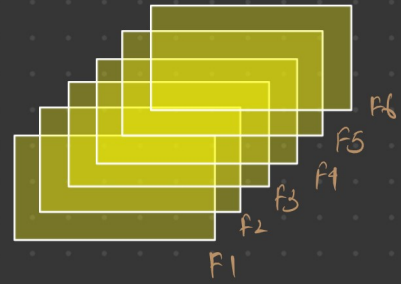
Output → 6 second video

1 second → 1 frame

6 FPS (6 frame/sec)

time \rightarrow Seconds

To $\rightarrow F_1, F_2, F_3, F_4, F_5, F_6$

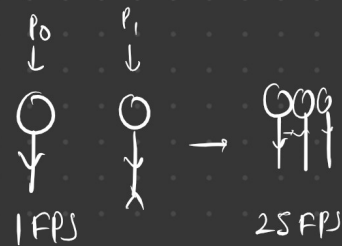


Standard FPS \rightarrow

24 FPS \rightarrow Standard movies

30 FPS \rightarrow Common TV shows & Online Videos

60 FPS \rightarrow Sports, Gaming



Codec :

Algorithm used to compress & decompress digital media files.

mp4, avi, mkv
 \rightarrow File formats

FourCC \rightarrow 4 character code

MP4V

Good for General Purpose video compression.

File format : .mp4, .avi

HEVC/
H.265

Better compression for higher resolution like 4K & 8K.

File format : .mp4, .mkv

H.264

Highly efficient, minimal quality loss

File format : .mp4, .mkv