Experiment 27:

Core Video Framework in iOS vs Multimedia Framework in Android

---

Core Video Framework in iOS

Multimedia Framework in Android

Core Video Framework in iOS

Core Video is Apple's framework for handling video processing in iOS and macOS. It is optimized for high-performance video rendering and works closely with other Apple frameworks like AVFoundation, Core Media, and Core Animation.

Key Features:
- Provides real-time video processing with high efficiency.
- converting, and synchronizing video frames.

PAGE 1 →

Key Features:

- Works with Core Image and Metal for GPU-based rendering.
- Supports frame-by-frame processing with CVPixelBufferRef.
- Helps in buffering, converting, and synchronizing video frames.

← PAGE 2 →

Multimedia Framework in Android

Android provides Media Framework (android.media) and MediaCodec API for handling multimedia tasks like audio/video playback, streaming, and recording.

Key Components:

MediaPlayer – Handles audio and video playback.

MediaRecorder – Records audio and video.

MediaCodec – Provides low-level access to media encoders/decoders

← PAGE 3 →