Experiment 28:

A multimedia-rich mobile app, incorporating elements from both Core Video and Core Media frameworks.

A multimedia-rich mobile app integrating Core Video and Core Media frameworks would enable advanced video processing, playback, and media management. Here's a high-level outline of how you can structure

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High-Performance Video Playback (Using AVPlayer from AVFoundation)
Real-Time Video Processing (Using Core Video for pixel buffer manipulation)
Custom Video Editing & Filters (Using Core Image & Core Media)
Audio Processing & Mixing (Using AVAudioEngine)
Media Asset Management (Using AVAssetReader & AVAssetWriter)
Streaming Support (Using HLS & Core Media)
Augmented Reality Integration (Using ARKit with video overlays)
Cloud Storage & Sharing (Using Firebase or iCloud)

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Video Playback: Use AVPlayer for streaming and local playback.

Frame Processing: Utilize CVPixelBufferRef for efficient image buffer handling.

Real-Time Effects: Apply CIFilter on Core Video pixel buffers.

Media Composition: Use AVAsset and AVMutableComposition for merging videos/audio.

Live Streaming: Implement HTTP Live Streaming (HLS) for online content delivery.

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