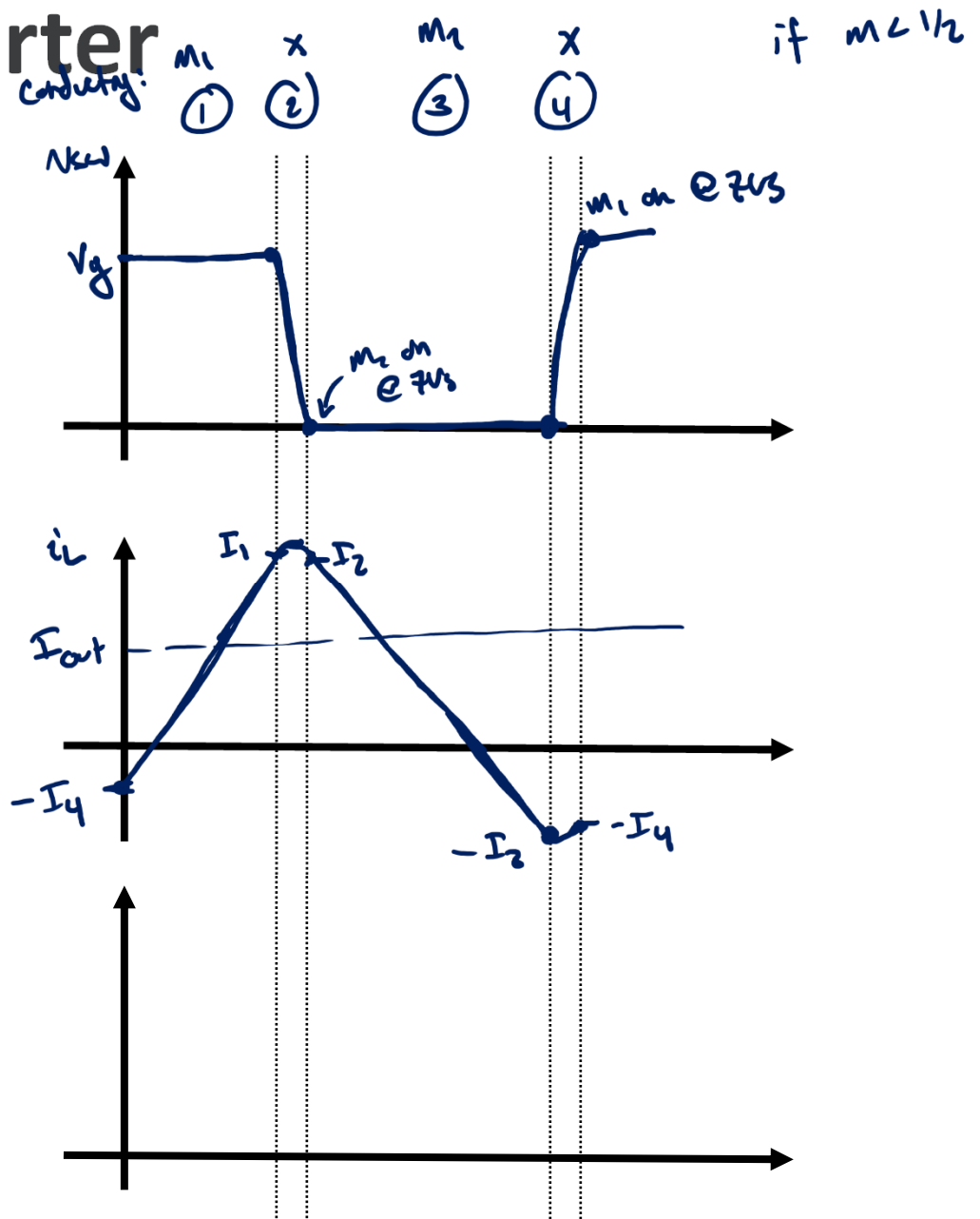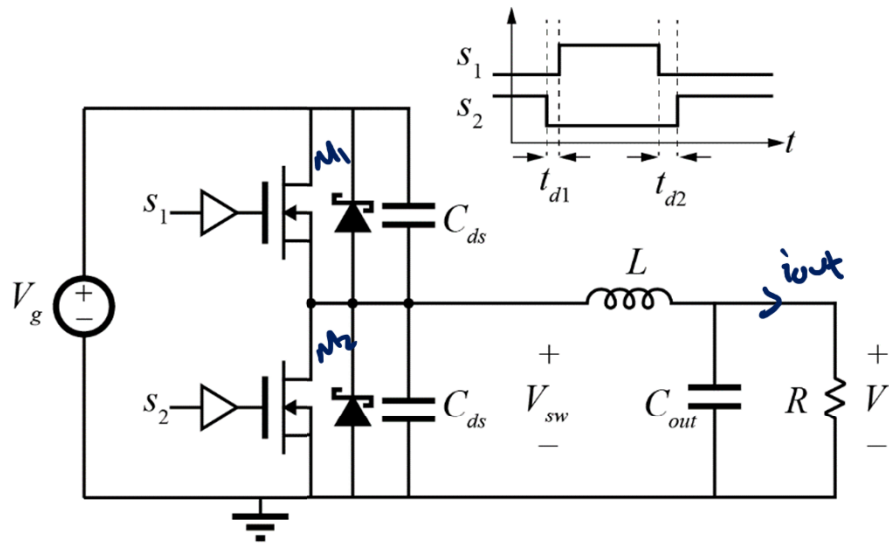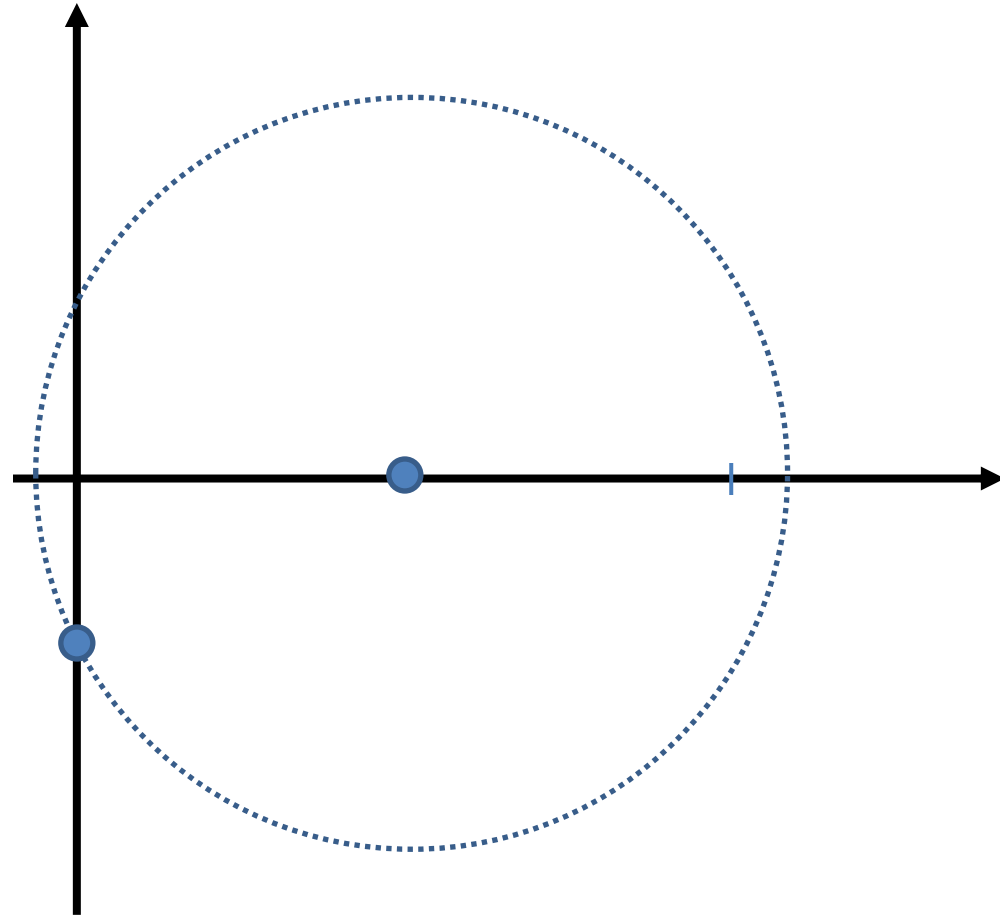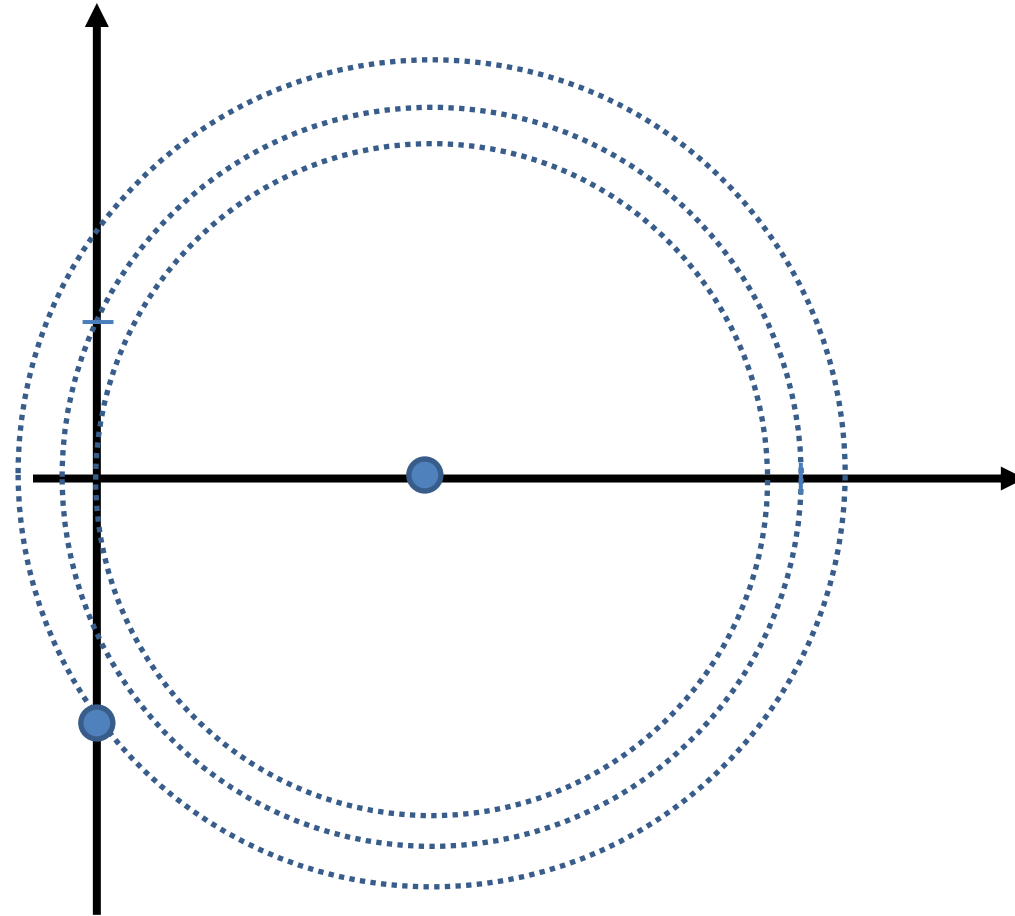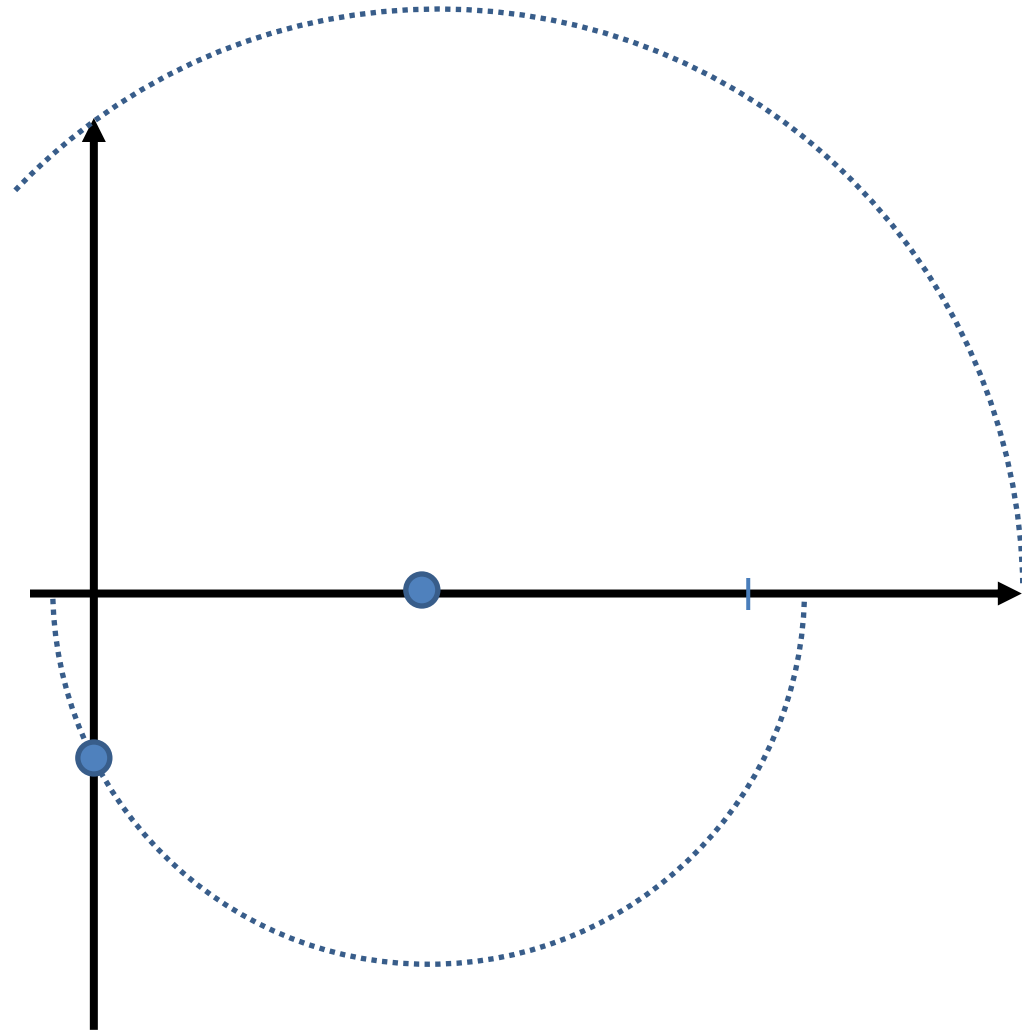# Synchronous Buck Converter

Sync-Buck State Plane

Sync-Buck ZVS Condition

Sync-Buck State Plane (Ring out)

Sync-Buck State Plane – ZVS

Sync-Buck Complete State Plane

State Plane Solution: Intervals 1 & 2

State Plane Solution: Intervals 3 & 4

State Plane Solution: Averaging Step

Normalized Period