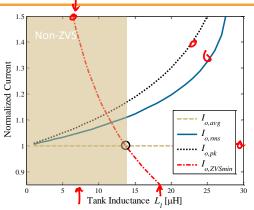
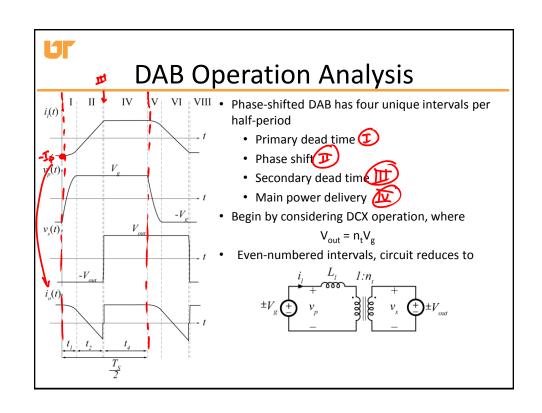


U

Constraints on Inductance

- From previous analysis, smaller L, results in smaller RMS currents in converter
- However, L₁ must be large enough to store energy necessary for ZVS
- Near-optimal design at a single operating point by selecting L₁ just large enough to obtain ZVS

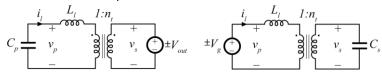






Resonant Interval Analysis

• Resonant intervals have equivalent circuits of the form:



• Both of which can be simplified to:

