Promising results in the HF range (3-30MHz)

- PDX (MF)
- PE (LF)
- Offine phase-modulated full-bridge for greater dynamic range
  - MDSII (DC)
  - MDS (DC)
  - Offine pulse width modulated full-bridge

Standard DC/LF/MF Topologies (3-10KW)
Control Loop for Resonant Converter

DC IN

IT Bridge Switches

$f_{SW}$

VCO

$f_{R}$

Error Voltage

Ref

DC OUT

$f_{SW}$ varied until error voltage $\rightarrow 0$
What about $\frac{V_{C}}{V_{O}}(t)$?
Anticipates parallel resonance

$f_{sw} > f_r$  boost or buck

Q1 up the output

Zc

Vc = i_{IN}