Introduction to AC-link topologies

DC-Transformer (DCX)
Dual Active Bridge

Switching Behavior (PSM)
DAB Operation Analysis

DAB State Plane
ZVS Condition

State Plane Solution

\[ I_{base} = V_g \sqrt{\frac{C_p}{L_1}} \]

\[ I_{base} = V_g \sqrt{\frac{C_s}{n_i^2 L_1}} \]
Averaging Step