

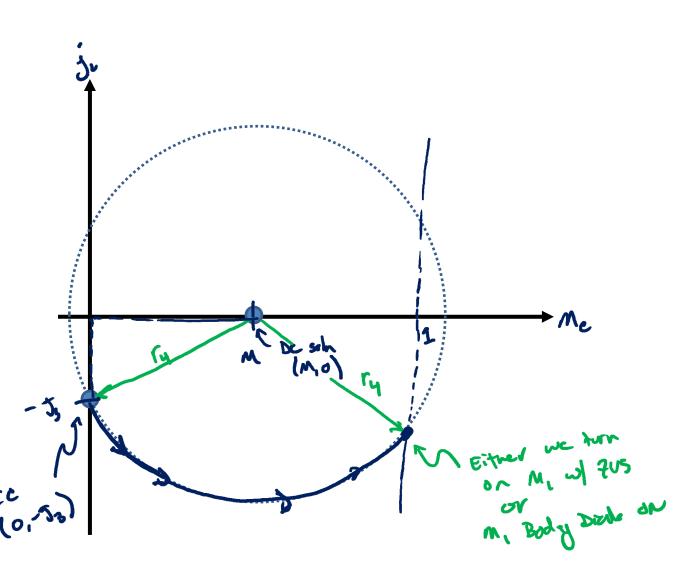
Sync-Buck State Plane

Vouse = 4g Ibonse = 4g

Dc: (M, \emptyset) Ic: $(0, -J_3)$, $-J_3 = \frac{-F_2}{I_{ove}}$

Instal Director:

dusing 1 d decause -J3 LO

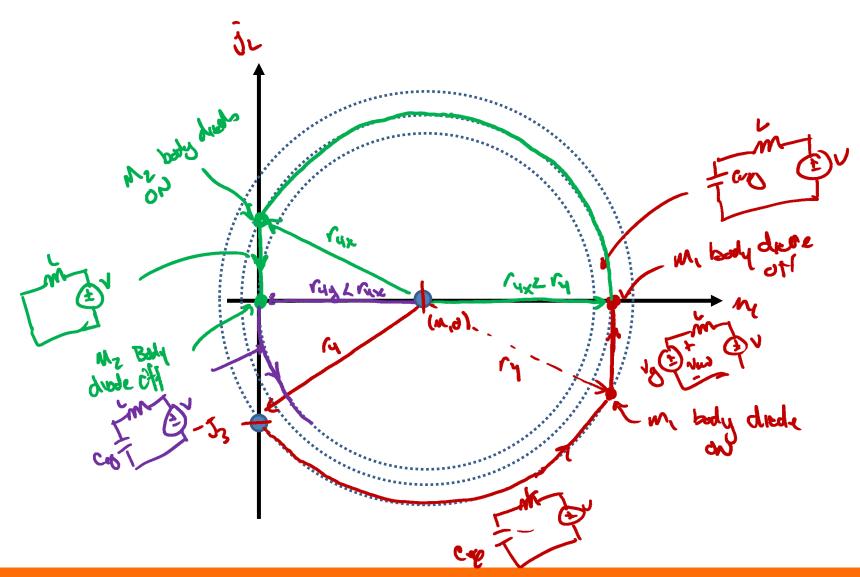


Sync-Buck ZVS Condition

Com get
$$\frac{1}{2}$$
 so so long ons

 $(q \pm 1 - M)$
 $(q \pm 1 - M)$

Sync-Buck State Plane (Ring out)



Sync-Buck Complete State Plane

Als conditions:

(2)
$$\frac{r_2 \ge m}{\sqrt{3^2 + (1-m)^2}} \ge m$$

