Lec 43

PI filter (passive)

R - P term
C - integral term
C - integrate current
PFD

1) Monotonic ← PFD gain at high θ also
2) Digital
3) Duty cycle of f_fb signal not a problem
\[ V_{DD} \]

\[ I_0 \]

\[ R_1 \]

\[ C_1 \]

\[ V_{pd} \]

\[ V_{DD} \]

\[ K_{pd} = \frac{V_{DD}}{2\pi} \]

\[ 2\pi \]

\[ \theta_e \]