$$y(t) \longrightarrow \underbrace{\begin{array}{c} Kalman \\ filter \end{array}} \stackrel{h[\mathcal{G}[k]]}{\longrightarrow} \underbrace{\begin{array}{c} h[\mathcal{G}[k]] \\ \\ h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\ \downarrow h[\mathcal{G}[k] - \frac{\pi}{2} \end{array} ]} \stackrel{h[k]}{\longrightarrow} \underbrace{\begin{array}{c} h[k] \\ \\$$