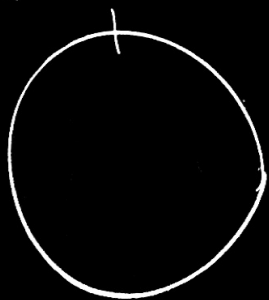


$$\begin{cases} U_t = U_{xx} \text{ (in polar coord)} \\ U(1, \theta) = f(\theta) \\ U \text{ periodic, period} = 2\pi \end{cases}$$



↑ Eigen functions
are sines + cosines
Interval = $-\pi$ to π