

Recitation #19

Administrative Announcements

- Quiz #2 on Nov 16, 7:30pm — no class that day!

Topics Covered

- Laplace transform: interpretation and relationship with Fourier transform
- The two most important pairs:

$$\begin{cases} e^{-at}u(t) \leftrightarrow \frac{1}{s+a} & \operatorname{Re}\{s\} > -a \\ -e^{-at}u(-t) \leftrightarrow \frac{1}{s+a} & \operatorname{Re}\{s\} < -a \end{cases} \quad (1)$$

- Laplace transform examples: forward and back