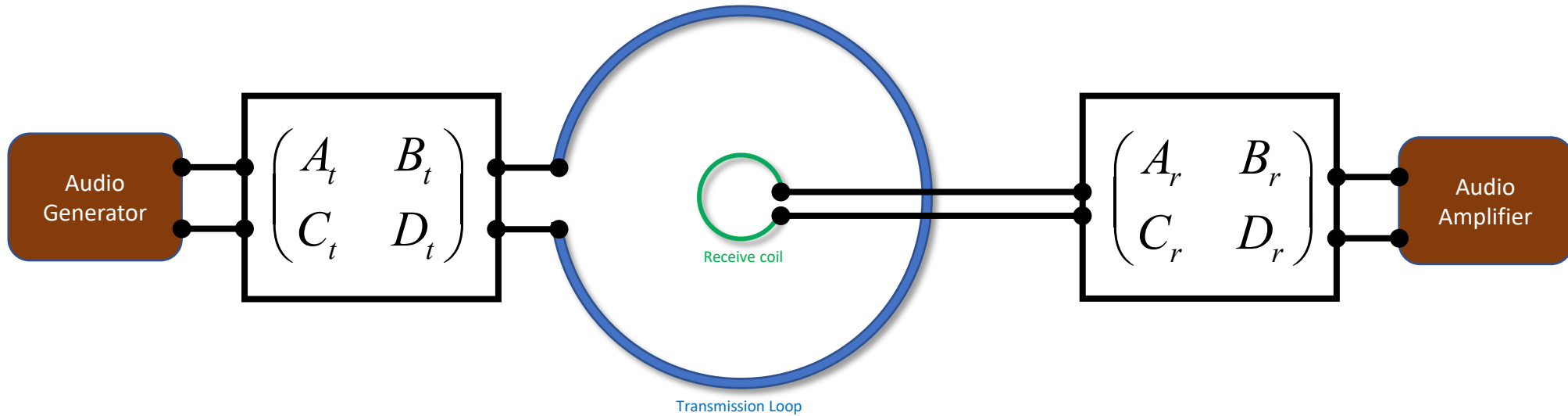


EE3C11 Team exercise 1

Propose 2 different sets of Transmission-1 matrix parameters for the transmission system for hearing aids.

The combination of parameters for the transmit and receive amplifiers should give a **frequency-independent transfer** from source to load over the frequency range of interest. Use symbolic parameters also for any time constants. *Do not calculate numerical values.*



$$A_t =$$

$$A_r =$$

$$B_t =$$

$$B_r =$$

$$C_t =$$

$$C_r =$$

$$D_t =$$

$$D_r =$$

Set 1

$$A_t =$$

$$A_r =$$

$$B_t =$$

$$B_r =$$

$$C_t =$$

$$C_r =$$

$$D_t =$$

$$D_r =$$

Set 2