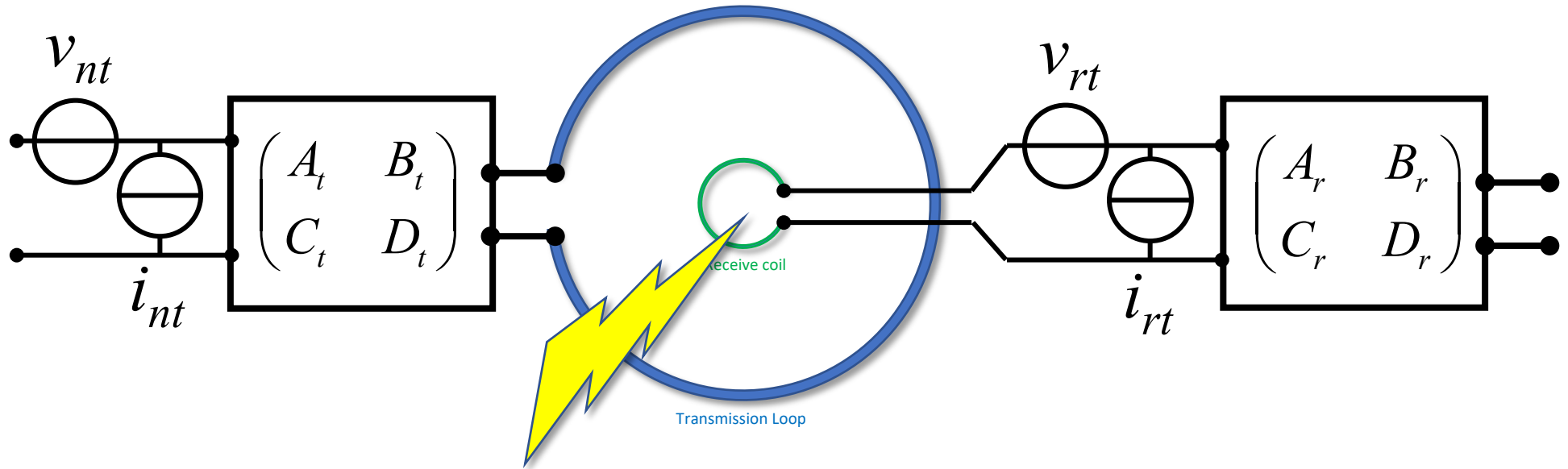


EE3C11 Team exercise 2

Consider the impact of different noise sources and other interference on the transmission system.

The voltage and current sources in the figure below are noise sources that model the noise of the two amplifiers.



Think of what interferers you could expect.

Compare systems solutions using the different options below with respect to performance and cost factors:

- Use of a high gain transmit amplifier
- Use of a high gain receive amplifier
- Have the integration in the transmit amplifier
- Have the integration in the receive amplifier
- (Other options you can think of)