

**Unit Name:** Power Electronics 2 Simulation 2

## **Title**

The Emitter Follower

## **Details**

The purpose of this experiment is to examine the operation of the emitter follower and evaluate its characteristics.

In the common collector amplifier, the output signal is taken from the emitter while the input signal is applied to the base of the BJT. This amplifier is usually referred to as an emitter follower. In this amplifier, the output voltage (emitter voltage) is always slightly less than the input voltage (base voltage) in magnitude, and is in-phase with it. The voltage gain is therefore approximately equal to unity. So, the emitter voltage always follows the base voltage and hence the circuit is well-known as the emitter follower.