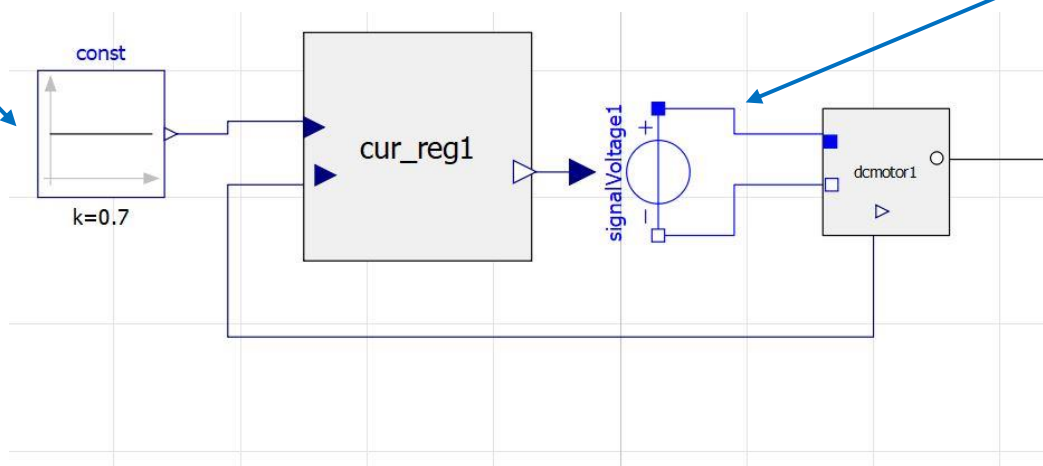# MoS - Lab 2   Current regulator in OpenModelica

The submodel of the current regulator in OpenModelica is implemented as a block diagram model. This means that the variables are signals with no physical meaning.

When the current regulator is connected to the DC motor it is therefore necessary to convert the signals to the physical variables of the motor.
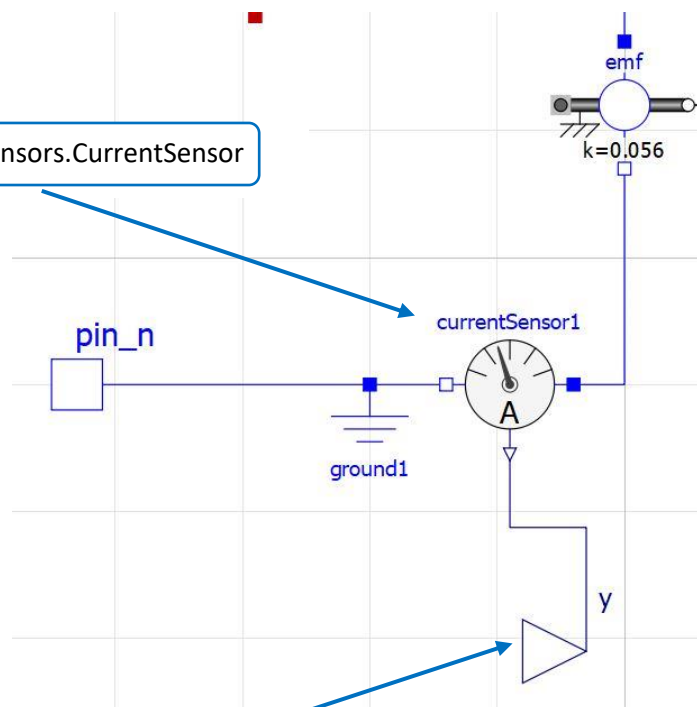

The current in the DC motor is an input of the current generator block. A **current sensor** must be inserted in the **DC motor**.