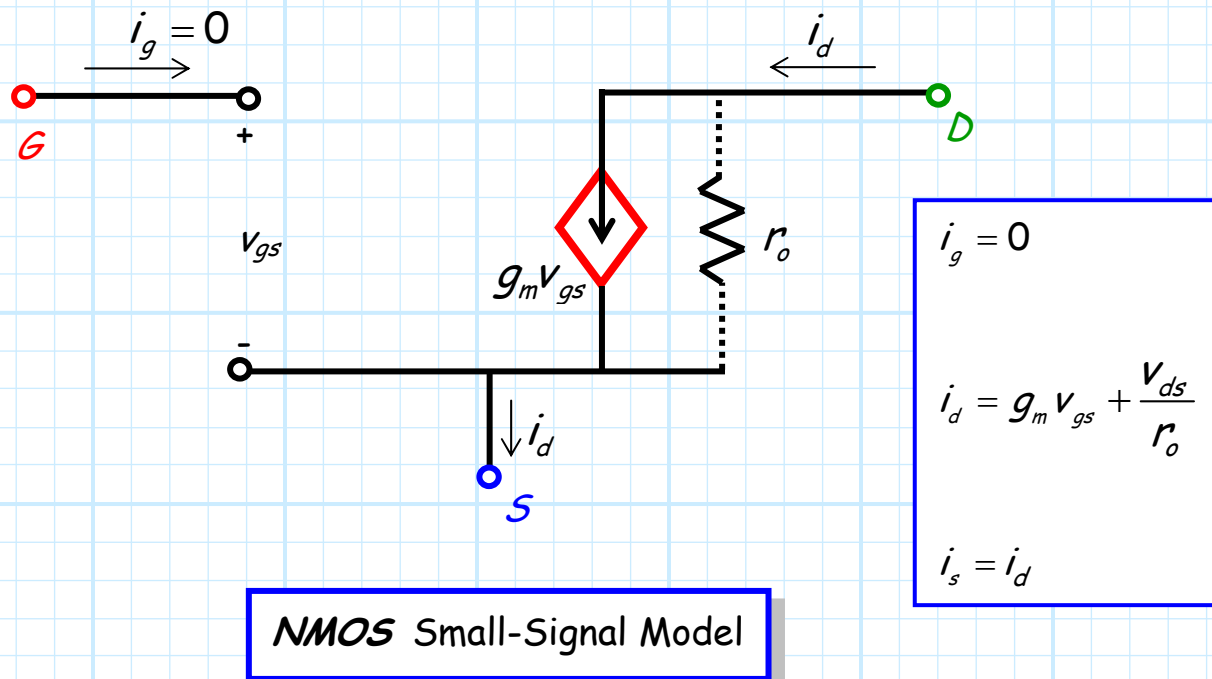


# The MOSFET Small-Signal Model

To determine the small-signal performance of a given MOSFET amplifier circuit, we can replace the MOSFET with its **small-signal model**:



Note that this circuit provides **precisely** the same circuit equations as did our small-signal MOSFET analysis.