TABLE 11.2

Feedback Amplifier Categories

FEEDBACK TYPE INPUT–OUTPUT	AMPLIFIER TYPE AND GAIN DEFINITION
Series-shunt	Voltage amplifier: $A_v = \dfrac{\mathbf{v_o}}{\mathbf{v_i}}$
Shunt-shunt	Transresistance amplifier: $A_{tr} = \dfrac{\mathbf{v_o}}{\mathbf{i_i}}$
Shunt-series	Current amplifier: $A_i = \dfrac{\mathbf{i_o}}{\mathbf{i_i}}$
Series-series	Transconductance amplifier: $A_{tc} = \dfrac{\mathbf{i_o}}{\mathbf{v_i}}$