



Figure 4 The pole and zero pair modify the amplifier's open-loop gain curve.  $R_{IN}$ ,  $R_{O1}$ , and  $C_{IN}$  generate the pole, causing a 40-dB/decade attenuation of the open-loop-gain plot.  $R_{IN}$  and  $C_{IN}$  generate the zero, which occurs after the frequency of the modified open-loop/closed-loop intersection ( $f_{CL}$ ).