(3-62)

[Eqs. (3-27a)

of the picture,
er +20 dB at
rangement of
the complete
nt source F_2)
in Fig. 3-40,
rminates the
rsion.

(3-64)

(3-63)

e. We could
ference with
external com-
31 chain? In
he fast lane,
l with R_{LED}.
arrangement
expression
res the fol-

(3-65)

on becomes

$\frac{R_{pullup}}{R_{LED}}$ CTR

(3-66)

(3-67)

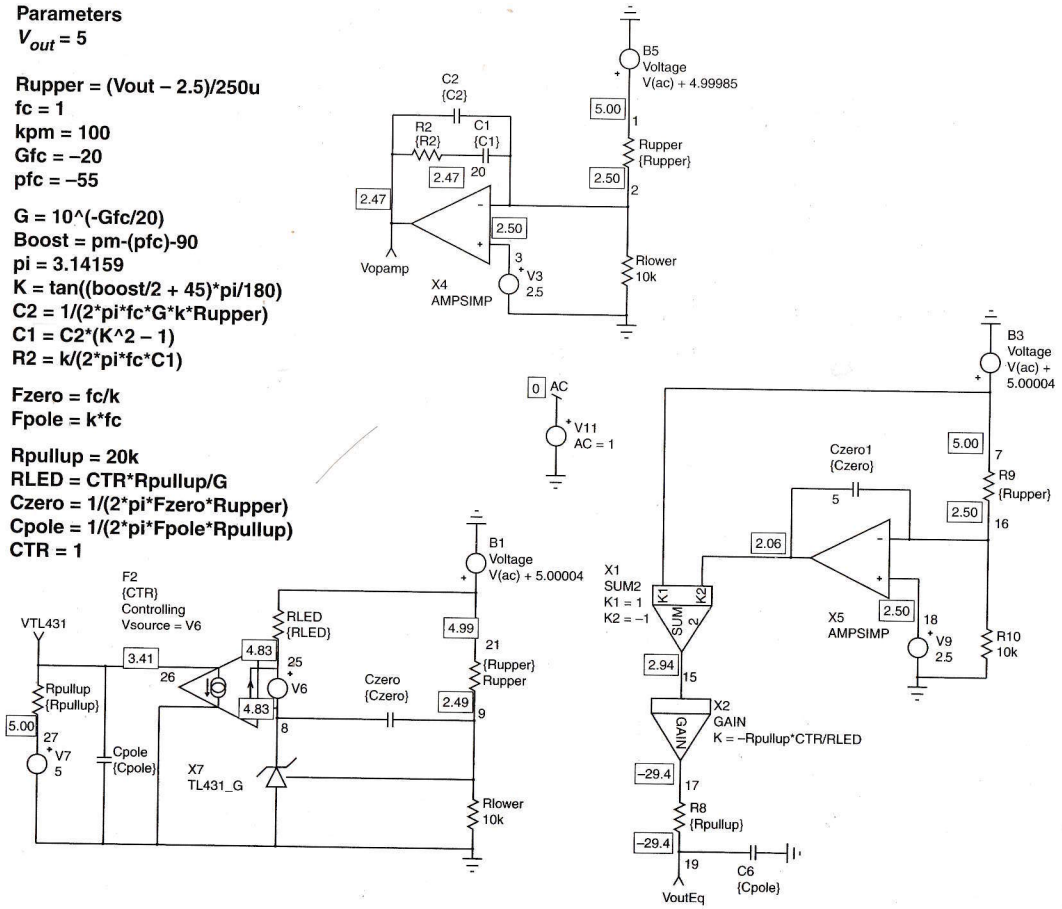

FIGURE 3-39 The comparison between the original op amp–based type 2 amplifier and the TL431 implementation.