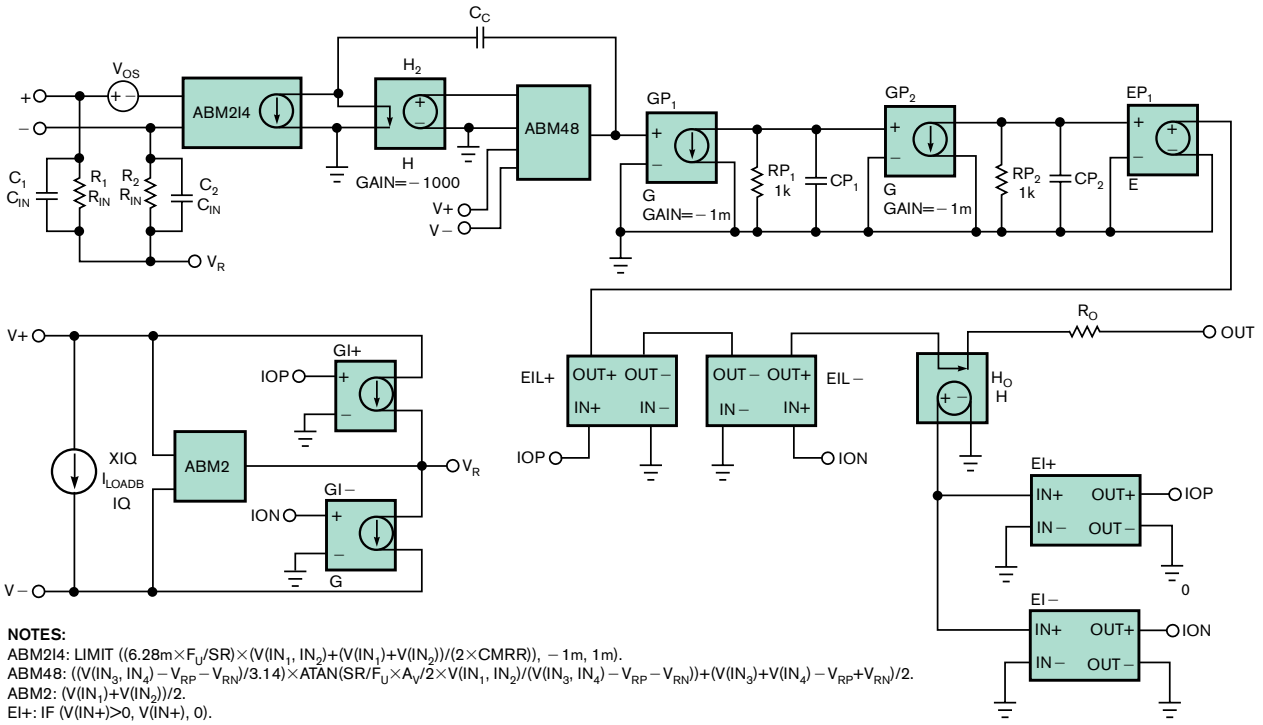

NOTES:
ABM2I4: LIMIT ((6.28m×F_U/SR)×(V(IN_1, IN_2)+(V(IN_1)+V(IN_2))/(2×CMRR)), –1m, 1m).
ABM48: ((V(IN_3, IN_4) – V_{RP} – V_{RN})/3.14)×ATAN(SR/F_U×A_V/2×V(IN_1, IN_2)/(V(IN_3, IN_4) – V_{RP} – V_{RN}))+(V(IN_3)+V(IN_4) – V_{RP}+V_{RN})/2.
ABM2: (V(IN_1)+V(IN_2))/2.
EI+: IF (V(IN+)>0, V(IN+), 0).
EI–: IF (V(IN+)<0, –1×V(IN+), 0).
EIL+: IF (V(IN+)>ILP, 10K×(V(IN+) – ILP), 0).
EIL–: IF (V(IN+)>ILN, 10K×(V(IN+) – ILN), 0).
CP_1 AND CP_2: 1/(6.28K×F_U×(128/(90 – PM) – 0.422)).
C_C: 1m/SR.

Figure 1 This new op-amp macromodel overcomes many accuracy deficiencies of other models and uses mathematical functions to allow it to use data-sheet parameters for all of its model parameters.