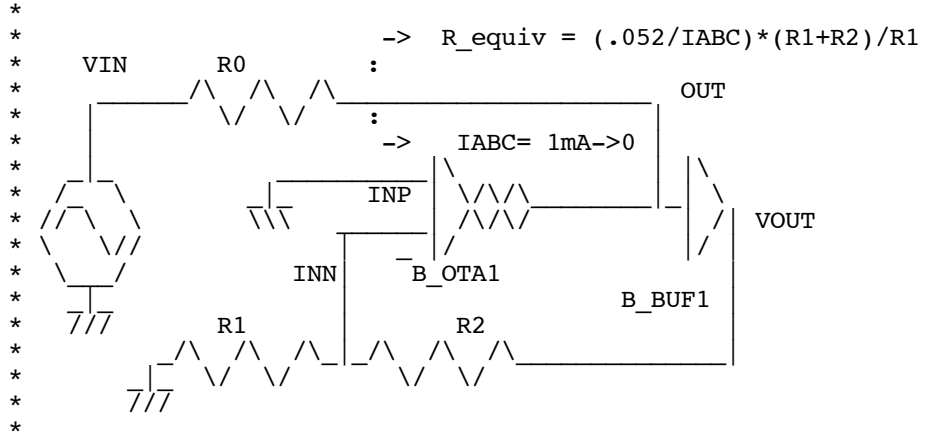


Simple_OTA_VCR

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 * www.idea2ic.com



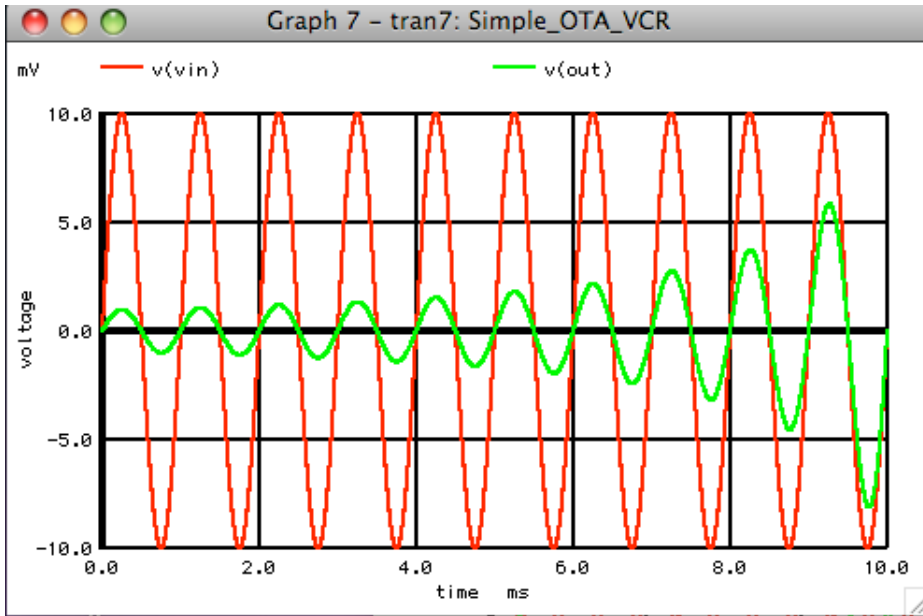
```
VIN      VIN      0      SIN( 0 10m 1000 )
R0       VIN      OUT    1K
R1       INN      0      2k
R2       VOUT     INN    2k
B_OTA1  OUT      0      I = -1*v(VIABC)*tanh((-v(INN) )/.052)
B_BUF1  VOUT     0      V = v(OUT)
V_Iabc  VIABC    0      PWL ( 0 1m 10m 0 )
.tran    1u      10m    0      1u
```

```
.control
run
set      pensize = 2
plot    v(vin)   v(out)
.endc

.end
```

=====END_OF_SPICE=====

To Covert PDF to plain text click below
<http://www.fileformat.info/convert/doc/pdf2txt.htm>
 This code works with winspice.



At 1mA, the equivalent resistance looks to be around 100 Ohms and it increases as IABC drops in level. In this case the buffer is simulated to have zero offset. The DataSheet shows the buffers being used with a DC blocking cap.