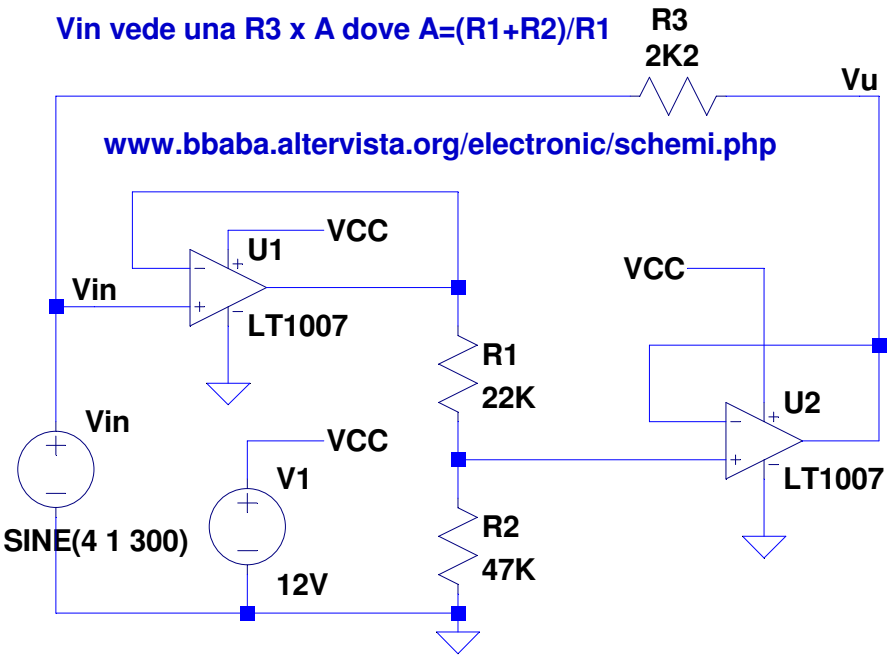
.tran .1



AMPLIFICATORE DI RESISTENZA
by www.bbaba.altervista.org

$$iR3 = (Vin - Vu) / R3$$

$$Vu = Vin * R2 / (R1+R2)$$

$$iR3 = \{ Vin - [Vin * R2 / (R1+R2)] \} / R3$$

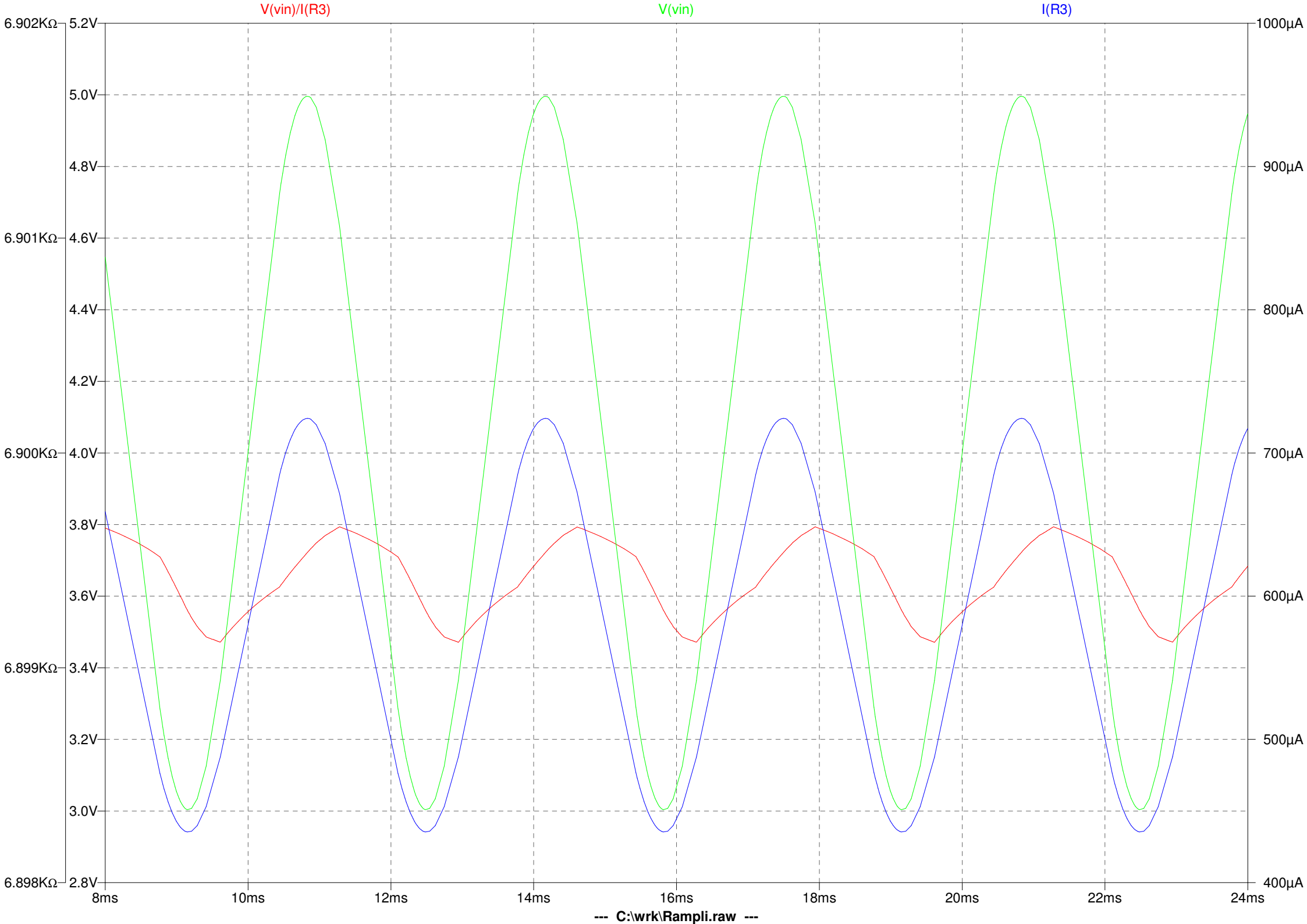
$$iR3 = Vin/R3 * [1 - R2 / (R1+R2)]$$
$$iR3 = Vin/R3 * [R1+R2 - R2 / (R1+R2)]$$
$$iR3 = Vin/R3 * [R1 / (R1+R2)]$$

$$Rin = Vin/iR3$$

$$Rin = Vin / \{ Vin/R3 * [R1 / (R1+R2)] \}$$
$$Rin = R3 * (R1+R2) / R1$$

$$A = (R1+R2)/R1$$

$$Rin = R3 * A$$


V(vin)/I(R3)
V(vin)
I(R3)
6.902KΩ
6.901KΩ
6.900KΩ
6.899KΩ
6.898KΩ
5.2V
5.0V
4.8V
4.6V
4.4V
4.2V
4.0V
3.8V
3.6V
3.4V
3.2V
3.0V
2.8V
1000µA
900µA
800µA
700µA
600µA
500µA
400µA
8ms
10ms
12ms
14ms
16ms
18ms
20ms
22ms
24ms
--- C:\wrk\Rampli.raw ---