

Annexe 1

simulation

Ampli Yves Cochet Etude de FP1g – FS1g-1

Etude temporelle

signaux triangulaires

Etude temporelle signaux triangulaires

(sans charge R_c)

1 Hz – 10 Hz – 20 Hz – 100 Hz – 1000 Hz – 10 kHz – 20 kHz – 100 kHz – 1 MHz

Point de fonctionnement

Calculs

ECC81 1/2 préampli FS1.1g

$U_{ak} = +86,8V$

$U_{gk} = -1,447V$

$I_a = +1,447mA$

(Input G = 0V)

Point de fonctionnement

Prospice 7.05.01 Build 790

ECC81 1/2 préampli FS1.1g

$U_{ak} = +114V$

$U_{gk} = -1,28V$

$I_a = +1,28 mA$

(Input G = 0V)

Point de fonctionnement

Mesures:

ECC81 1/2 préampli FS1.1g

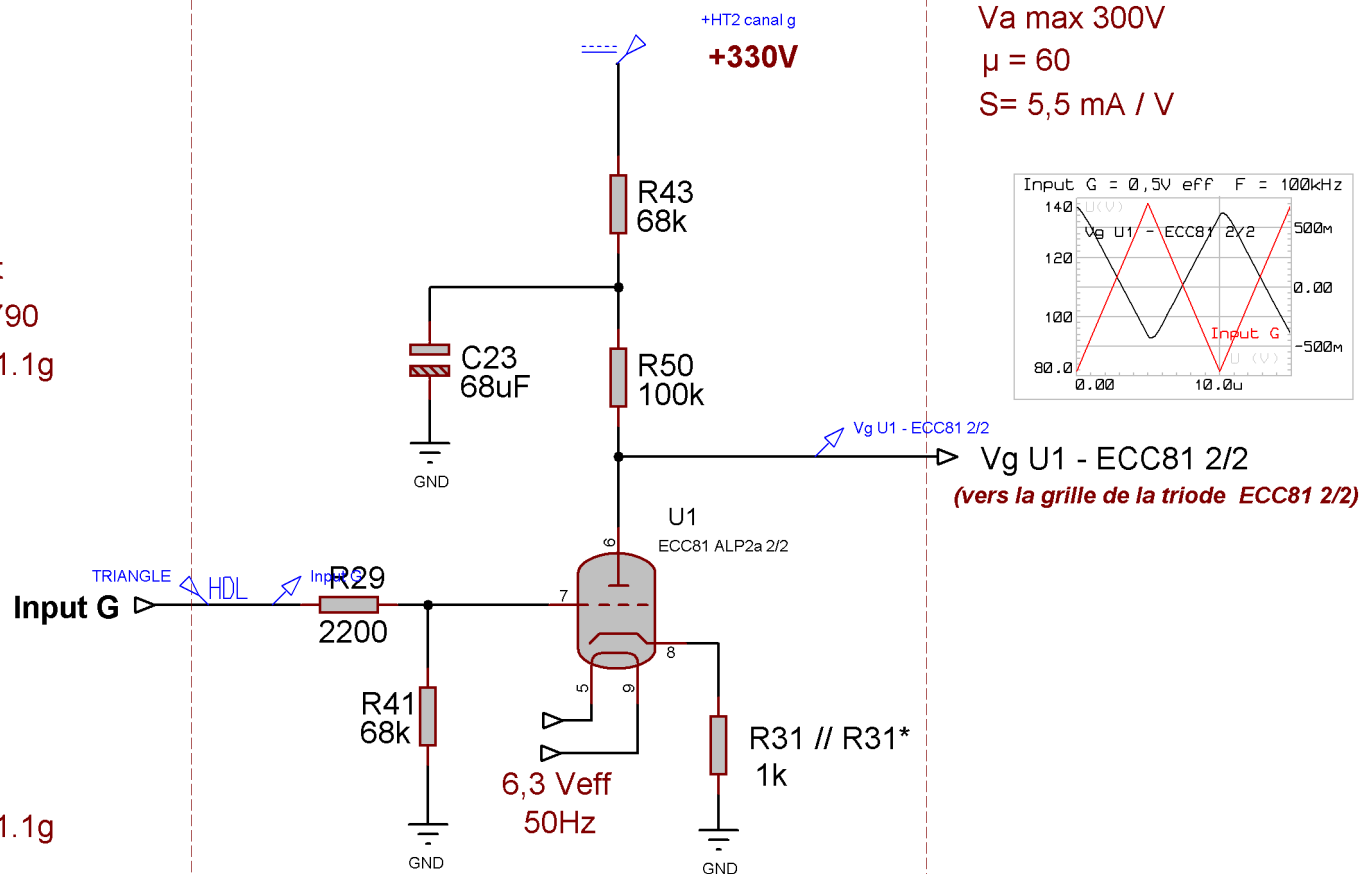
$U_{ak} = +$

$U_{gk} = -$

$I_a = +$

(Input G = 0V)

FS1g -1 AMPLIFICATION



Datasheet ECC81 (Philips 1969)

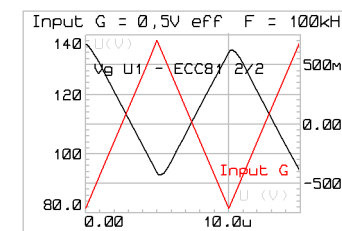
$W_a = 2,5 W$

$-V_g \text{ max} = 50V$

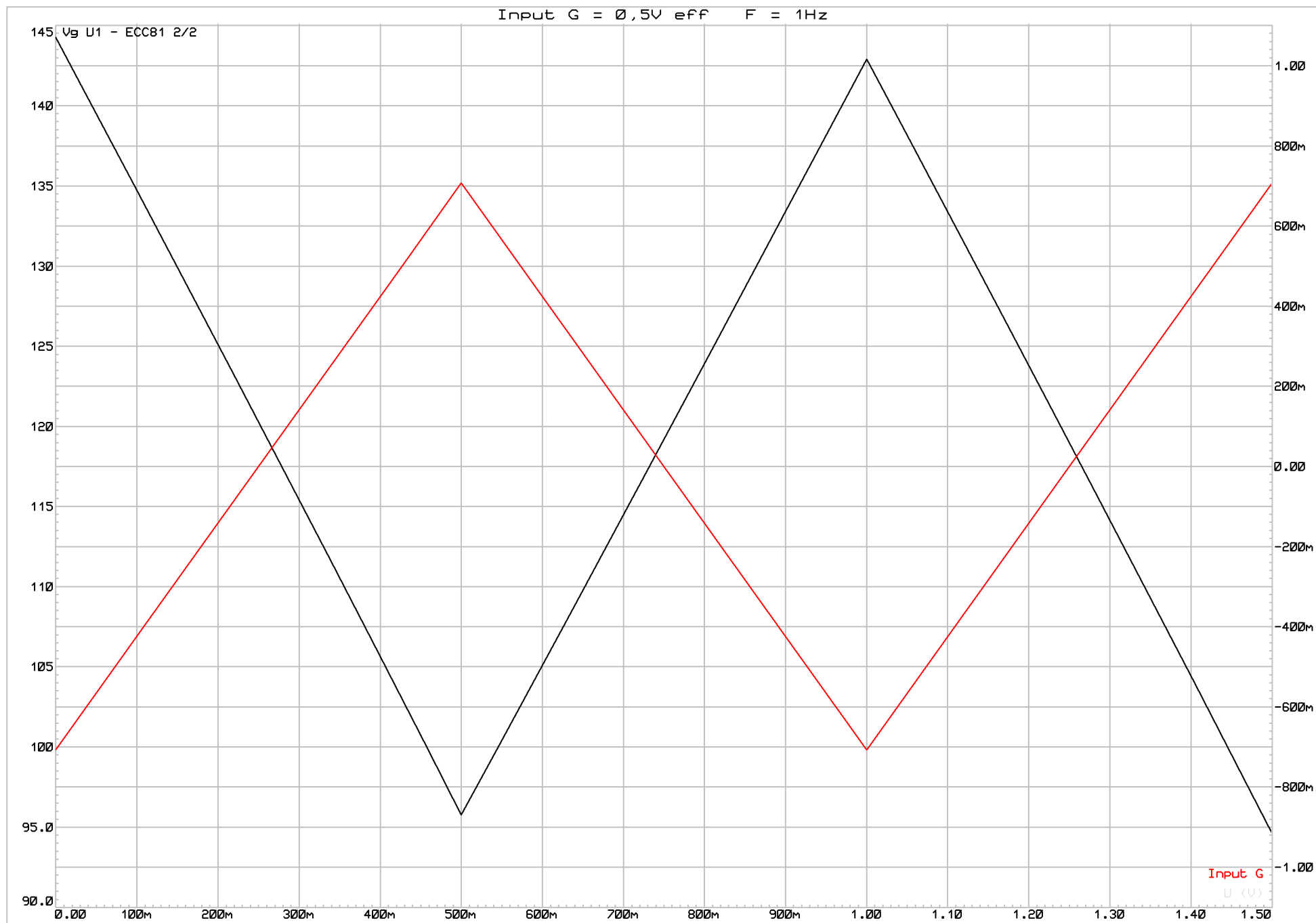
$V_a \text{ max} 300V$

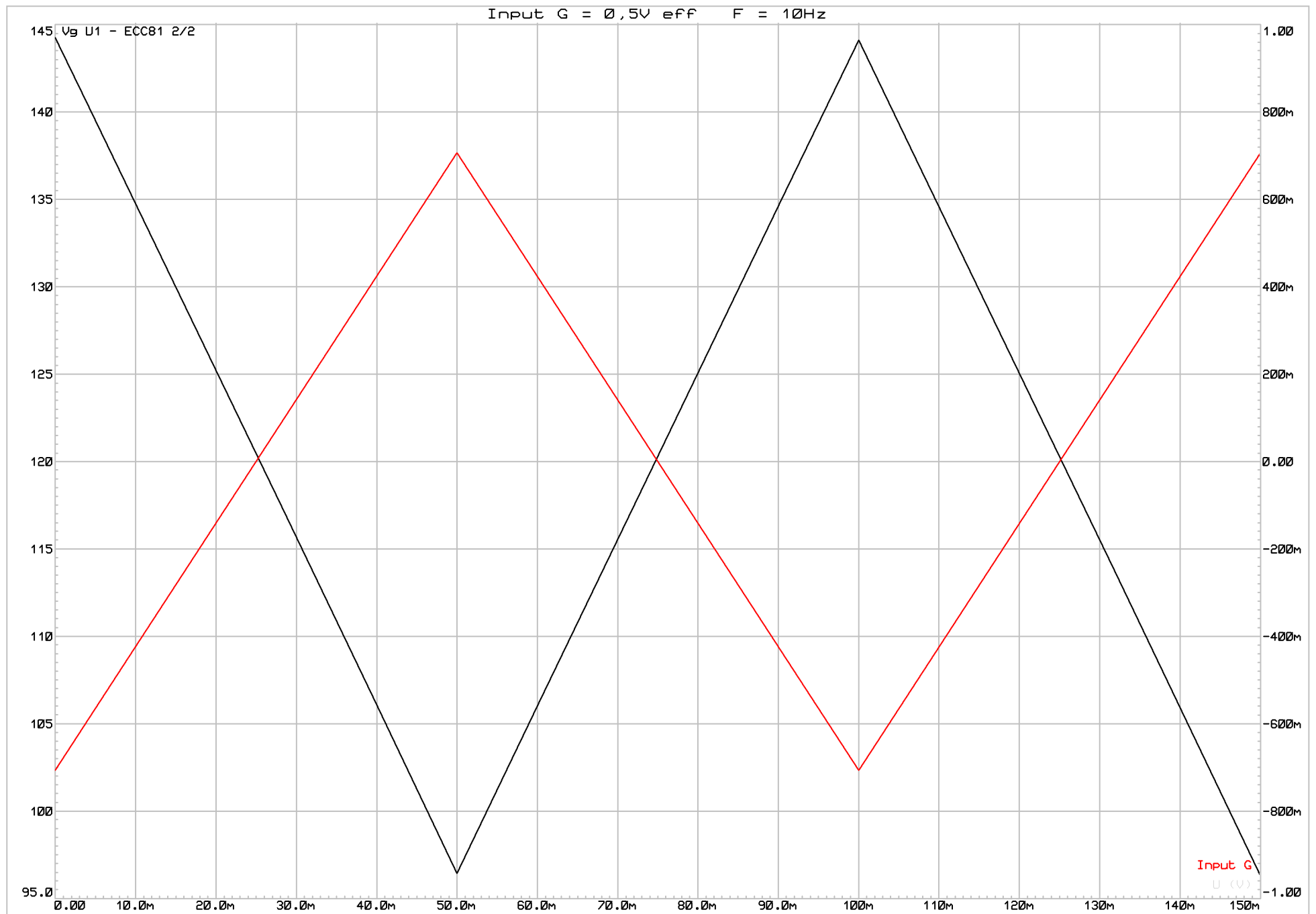
$\mu = 60$

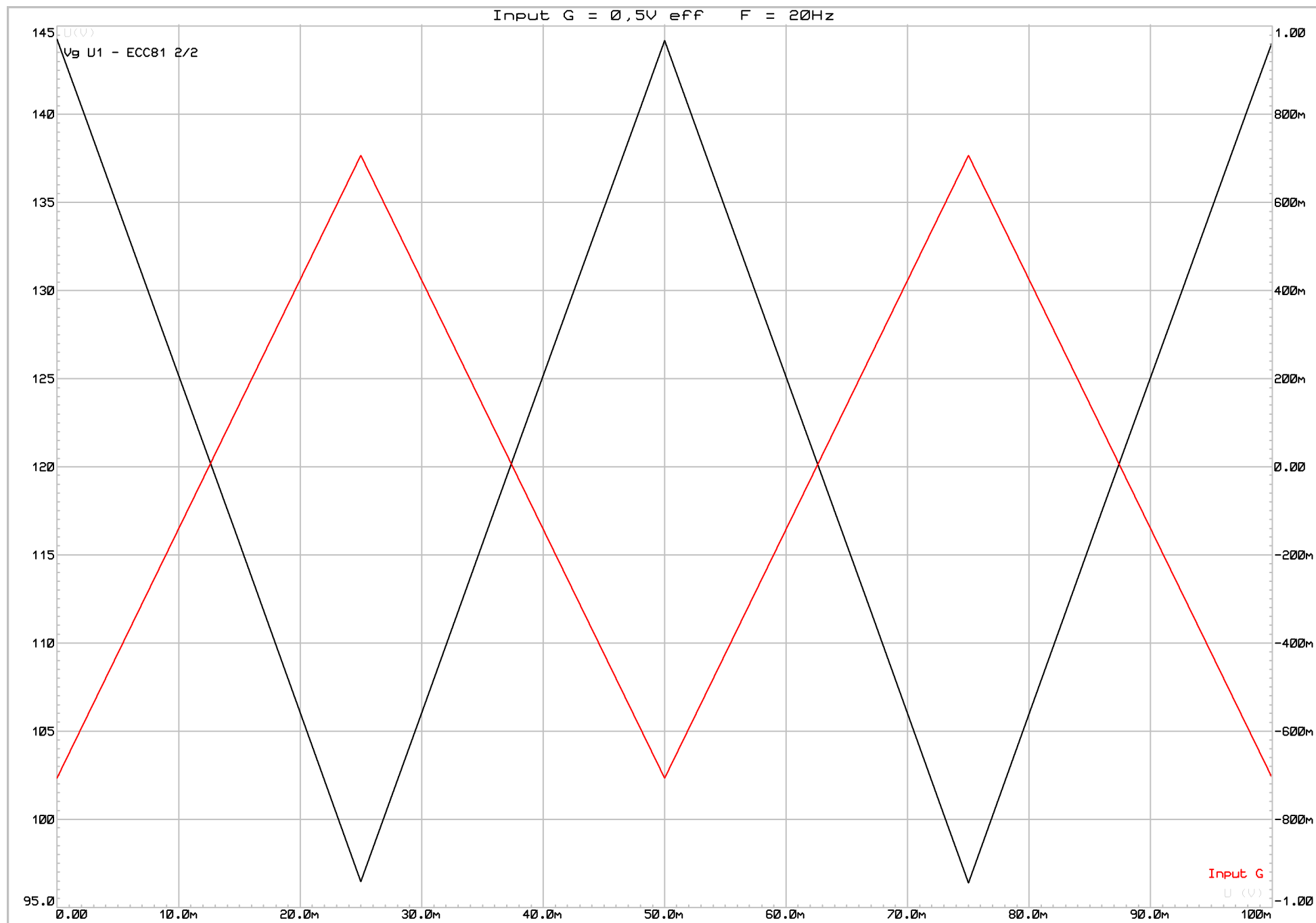
$S = 5,5 mA / V$

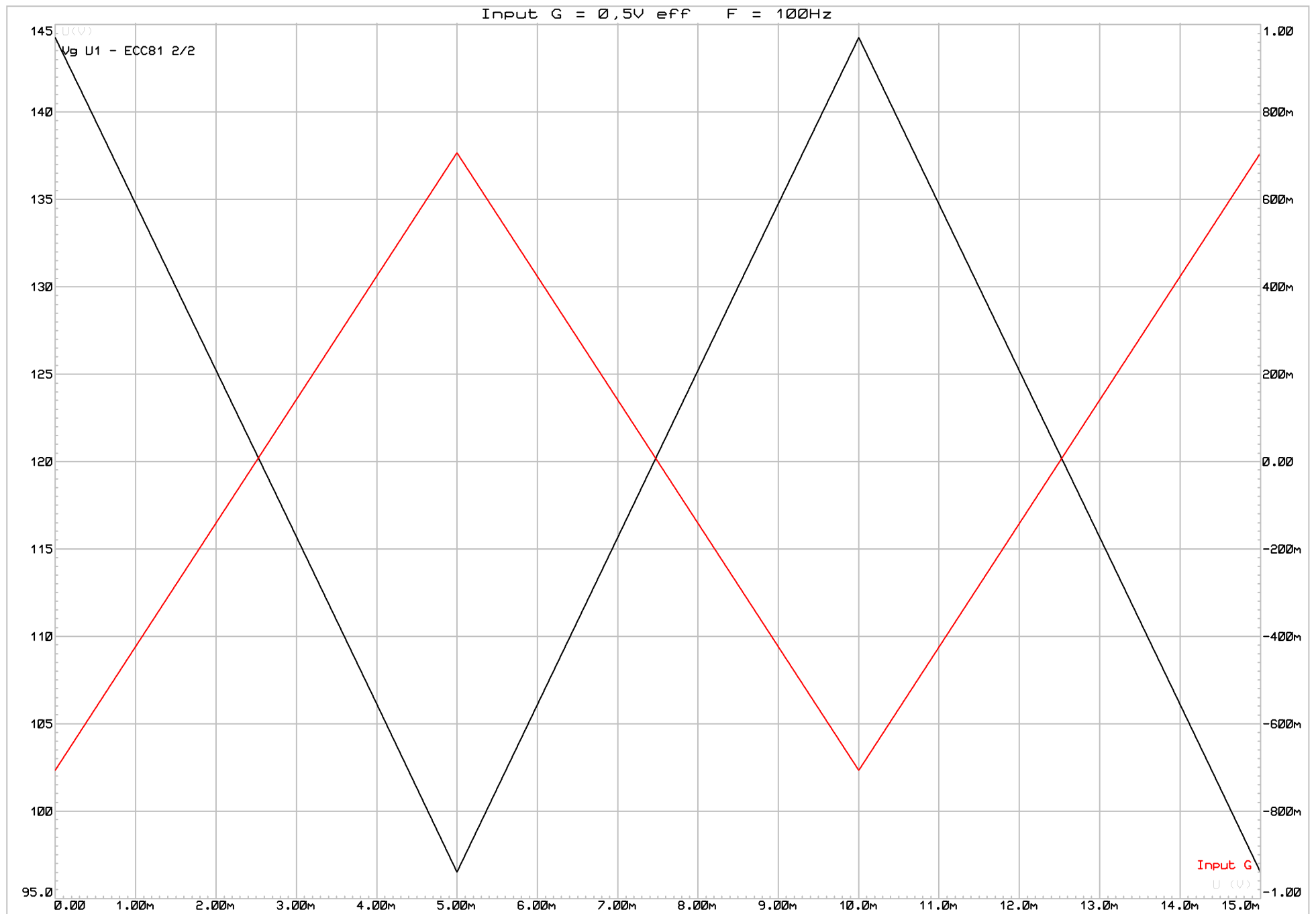


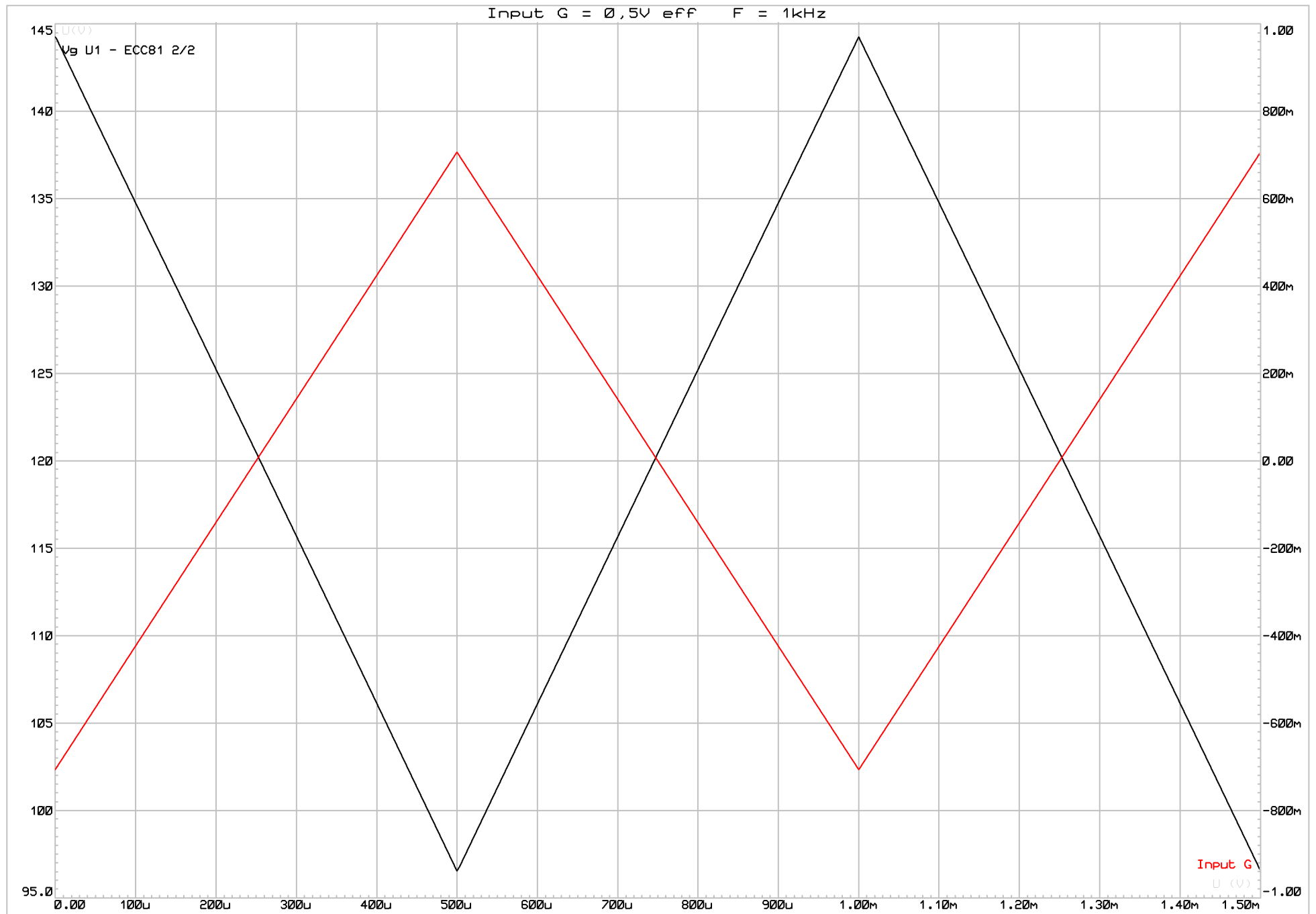
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DESIGN TITLE: Ampli Yves COCHET ALP2a
PATH: FS1g.- 1 amplification
BY: Didier VILLERS
REV: 1e
DATE: 10/12/2012
PAGE: 1 of 1
TIME: 21:48:26

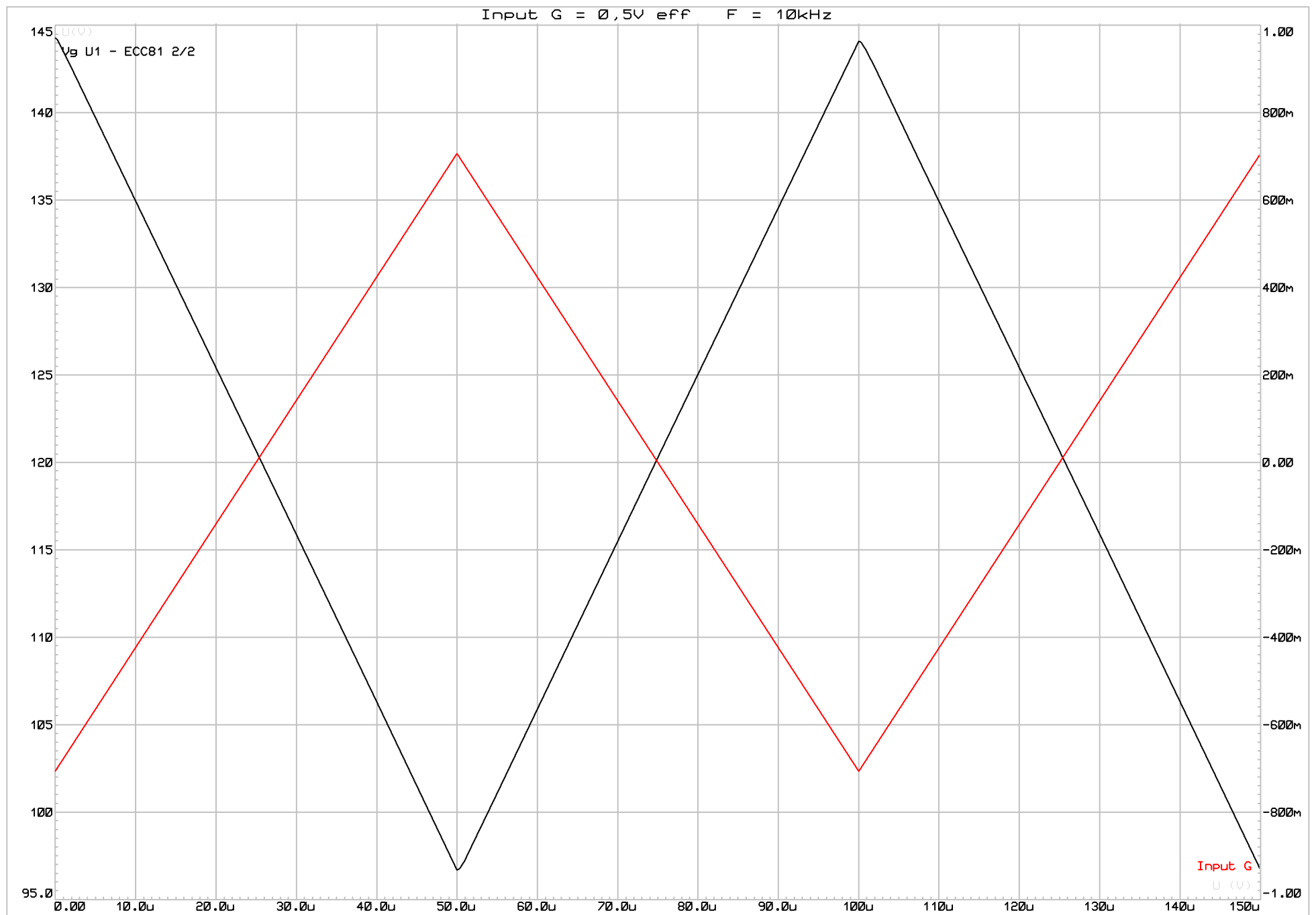


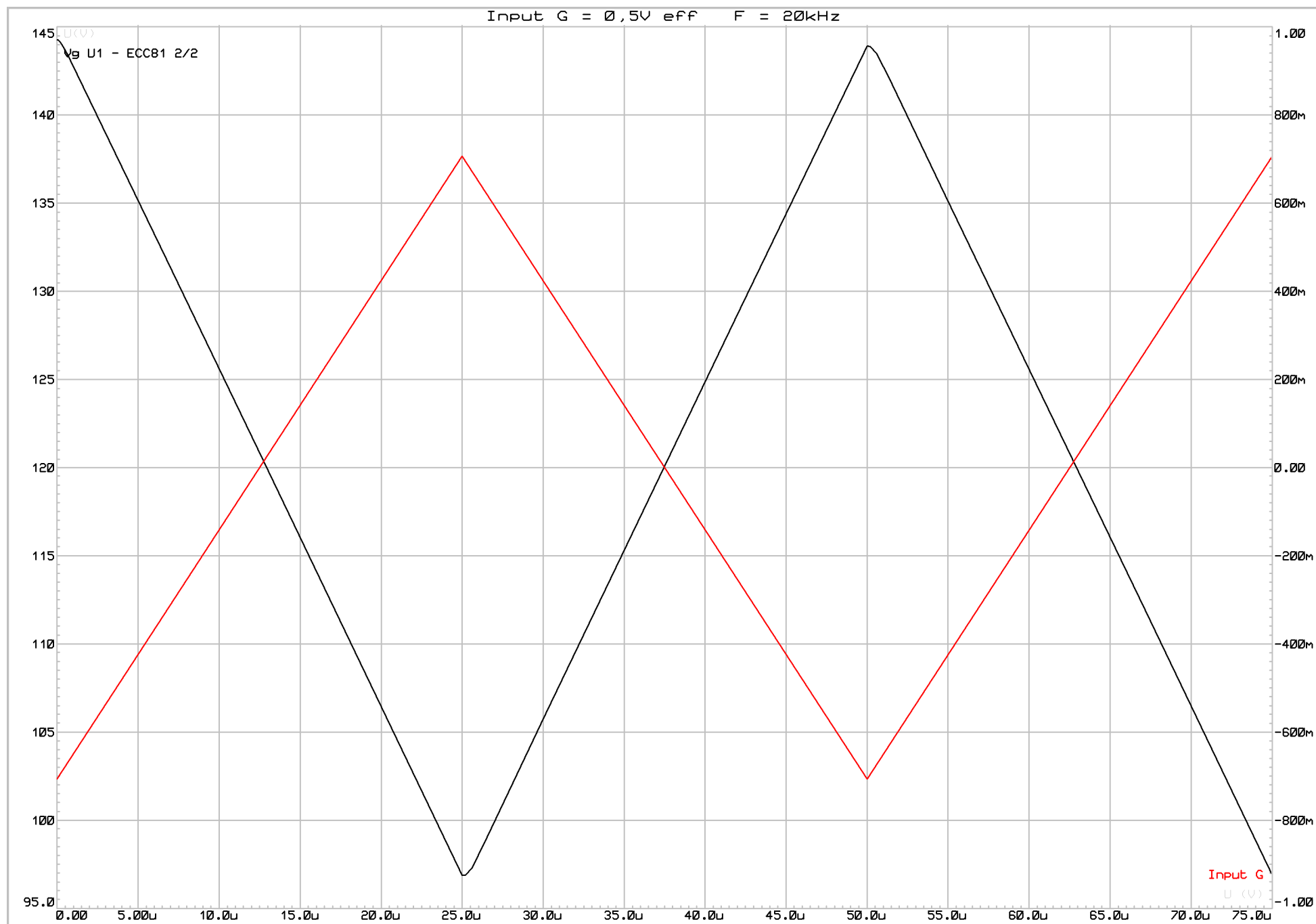


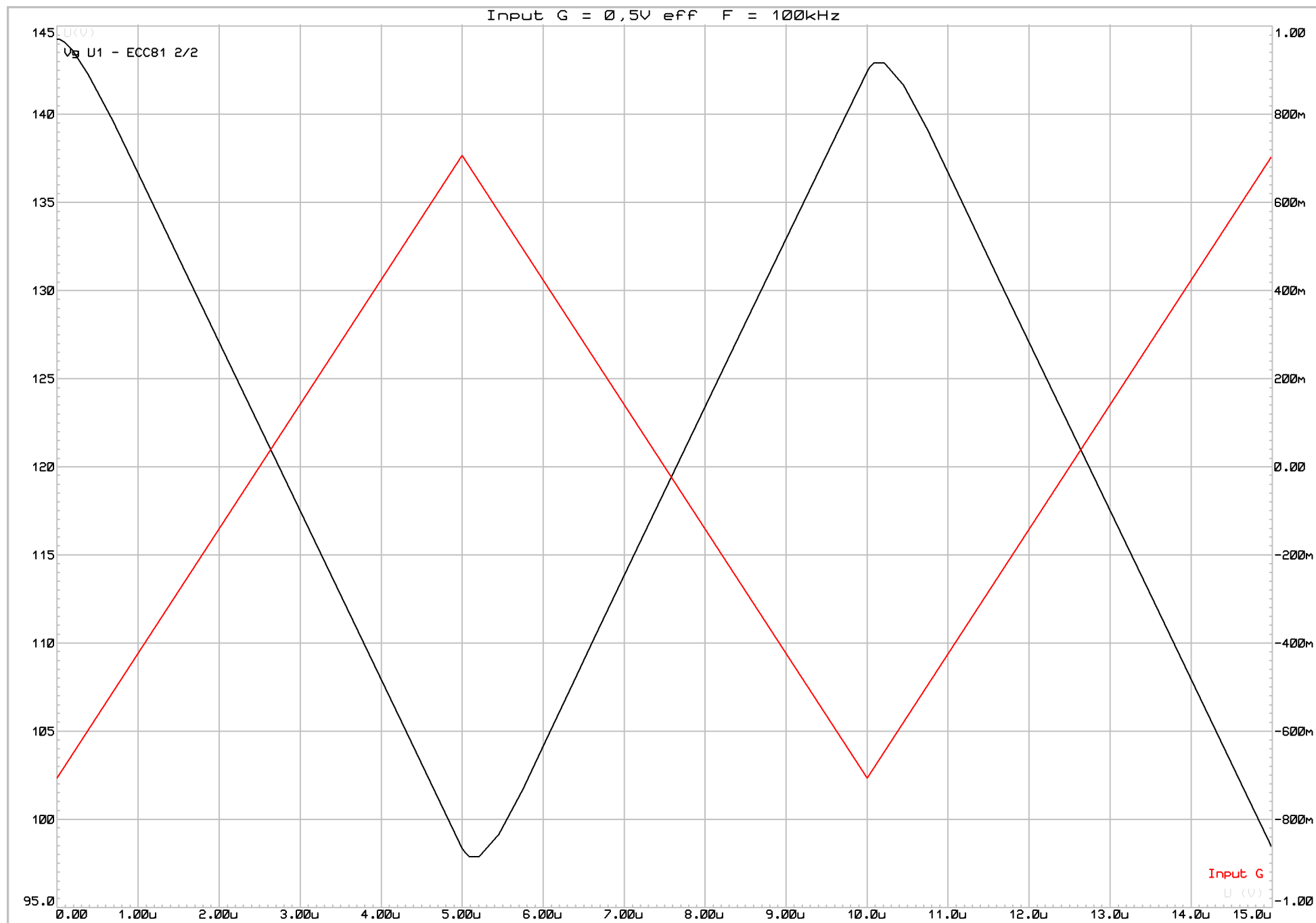


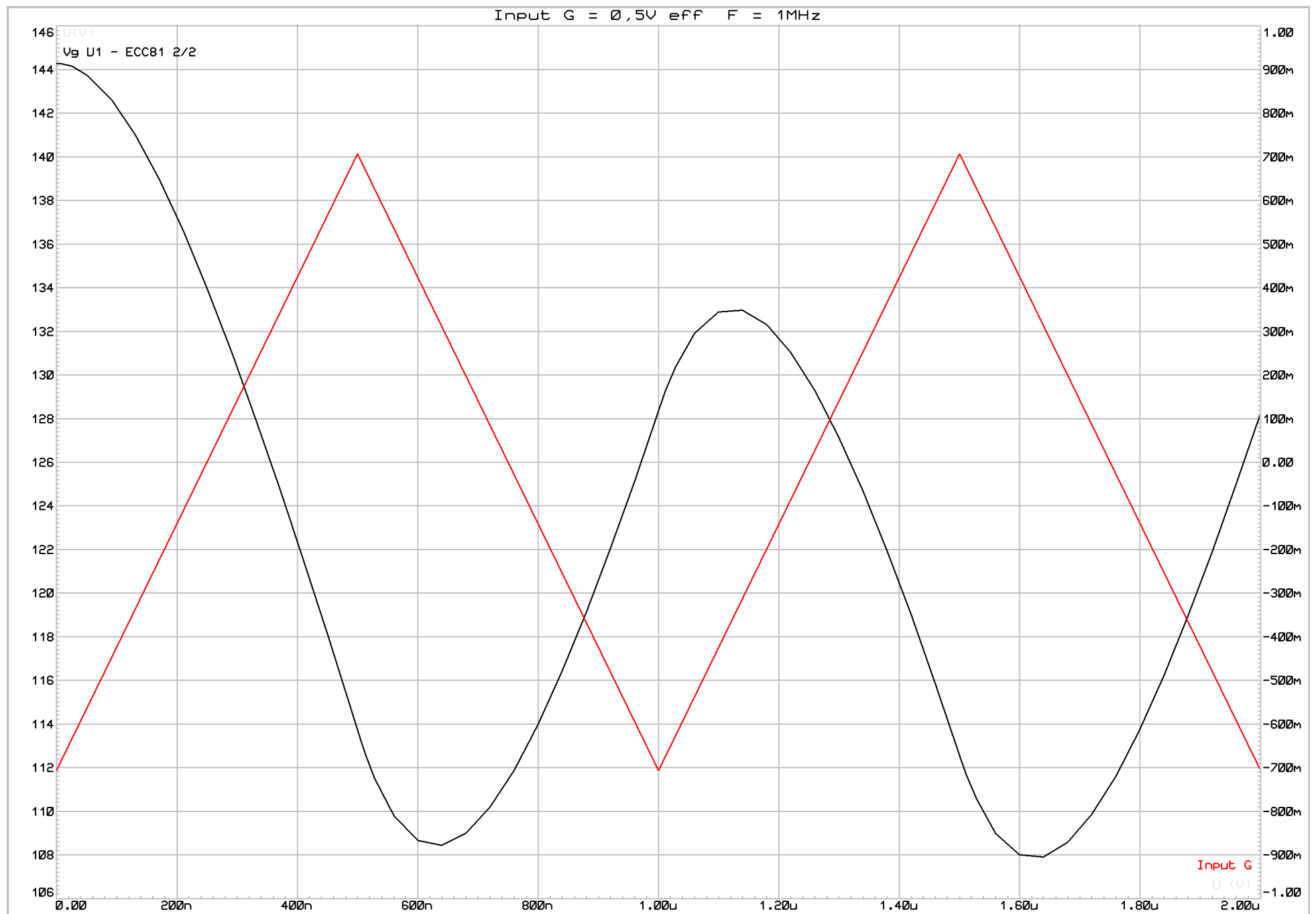








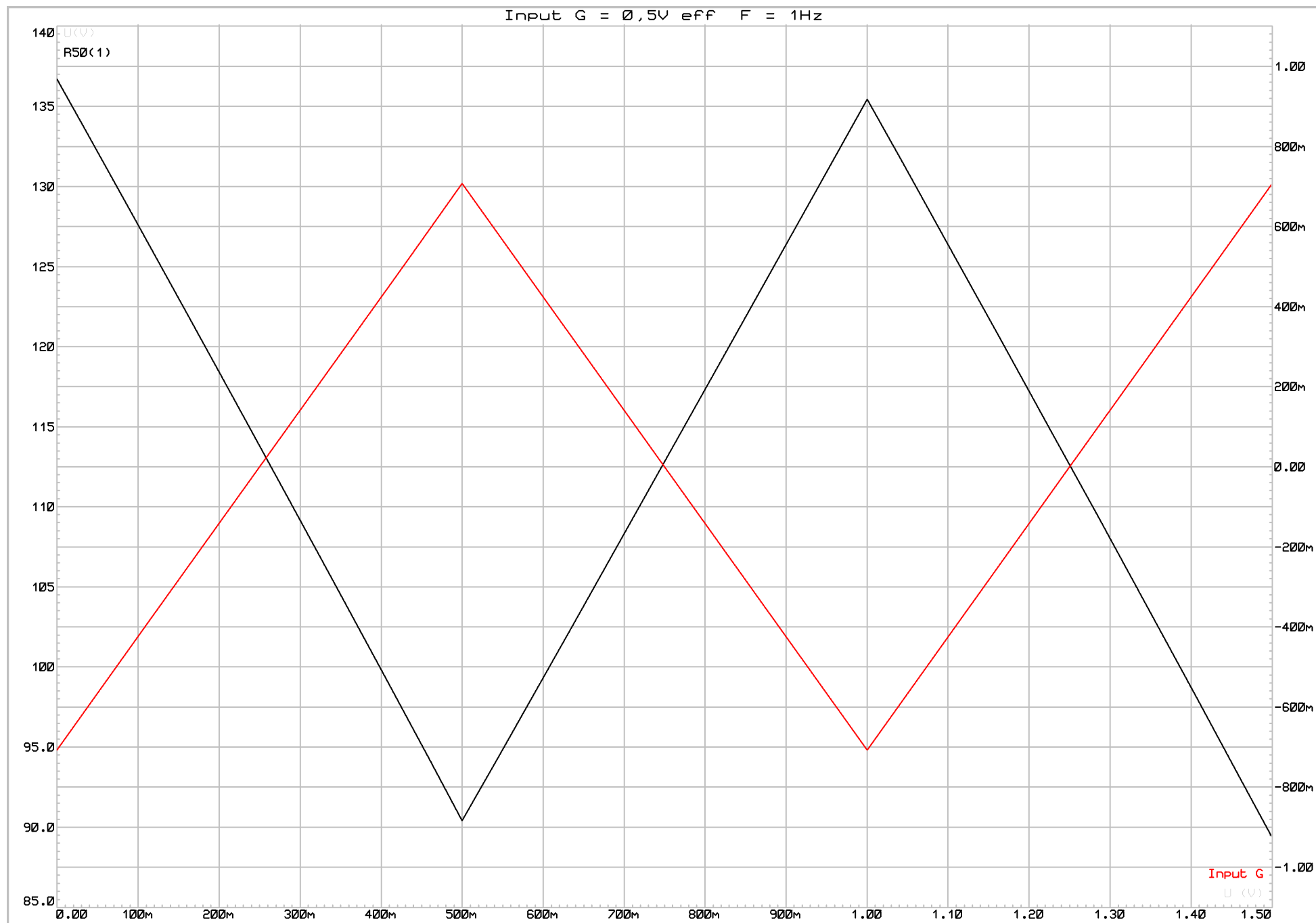


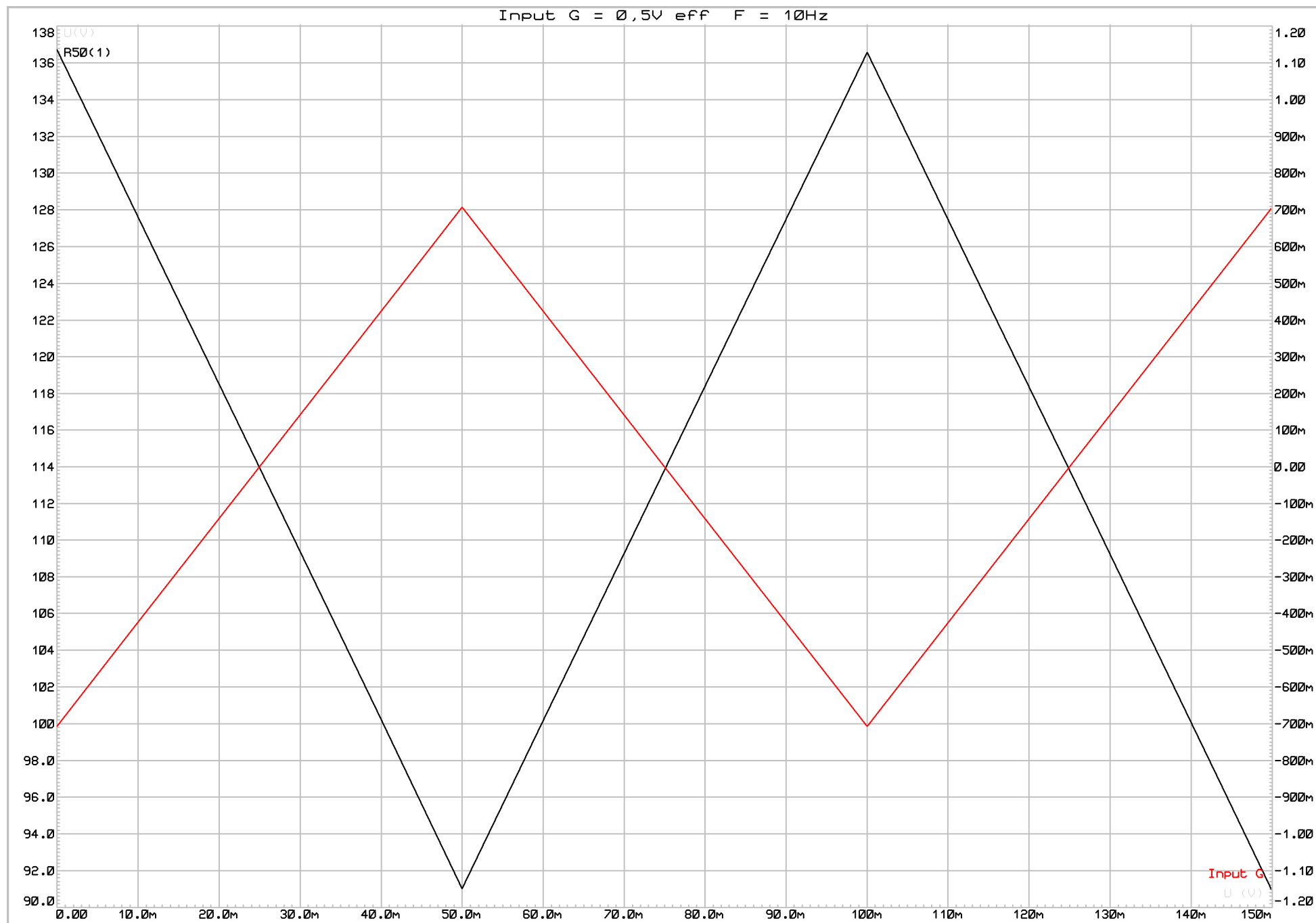


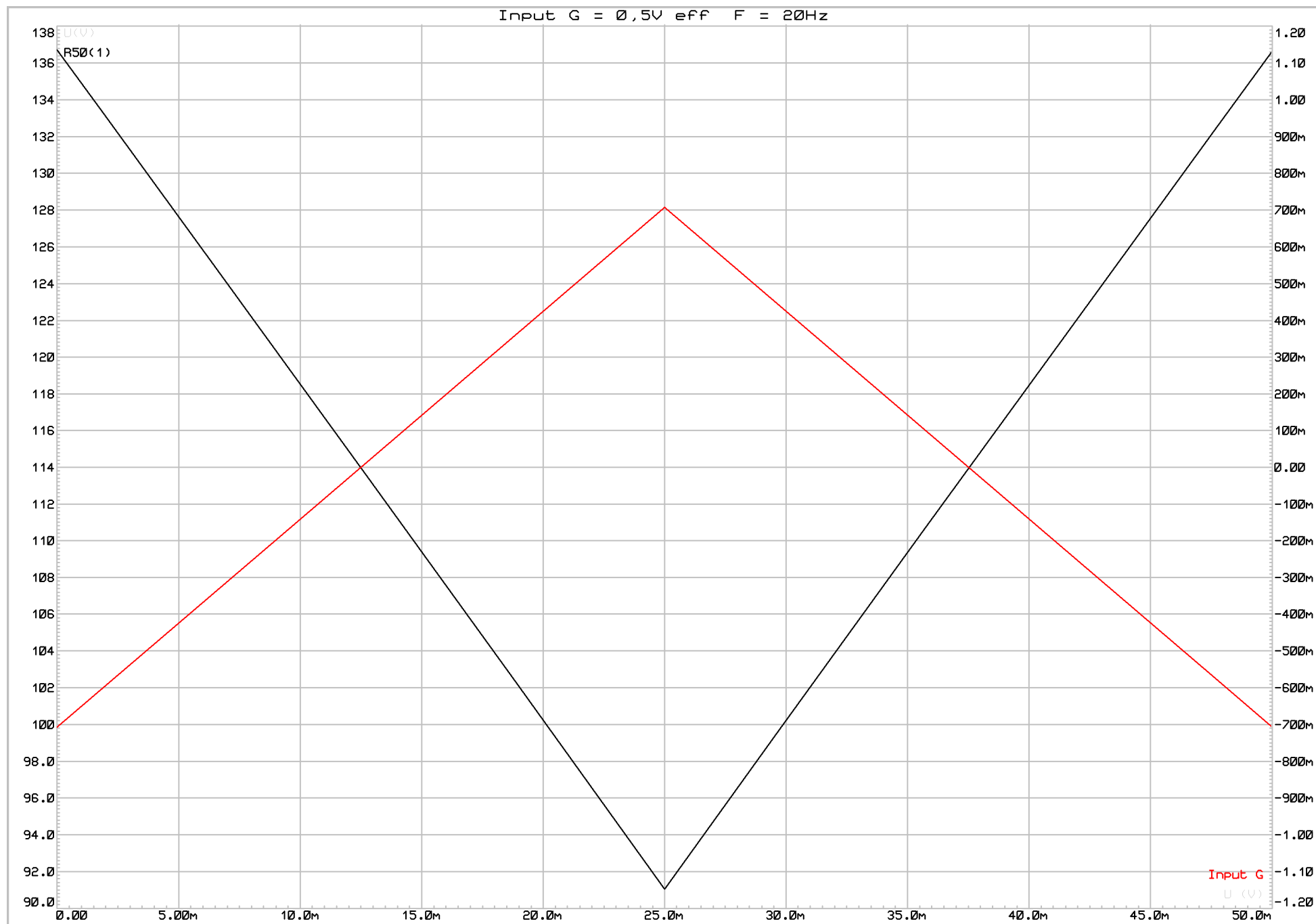
Etude temporelle signaux triangulaires

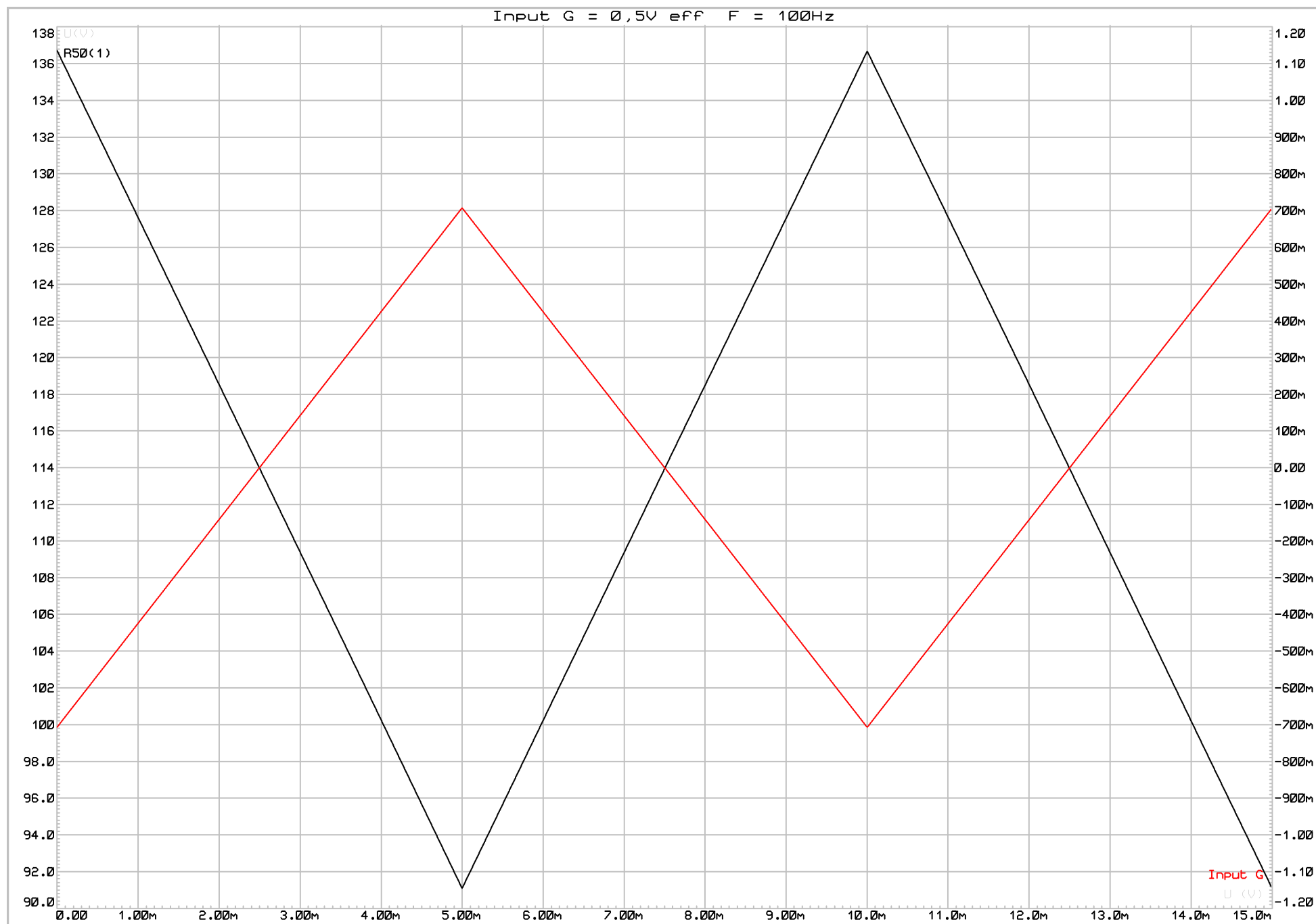
(avec charge R_c)

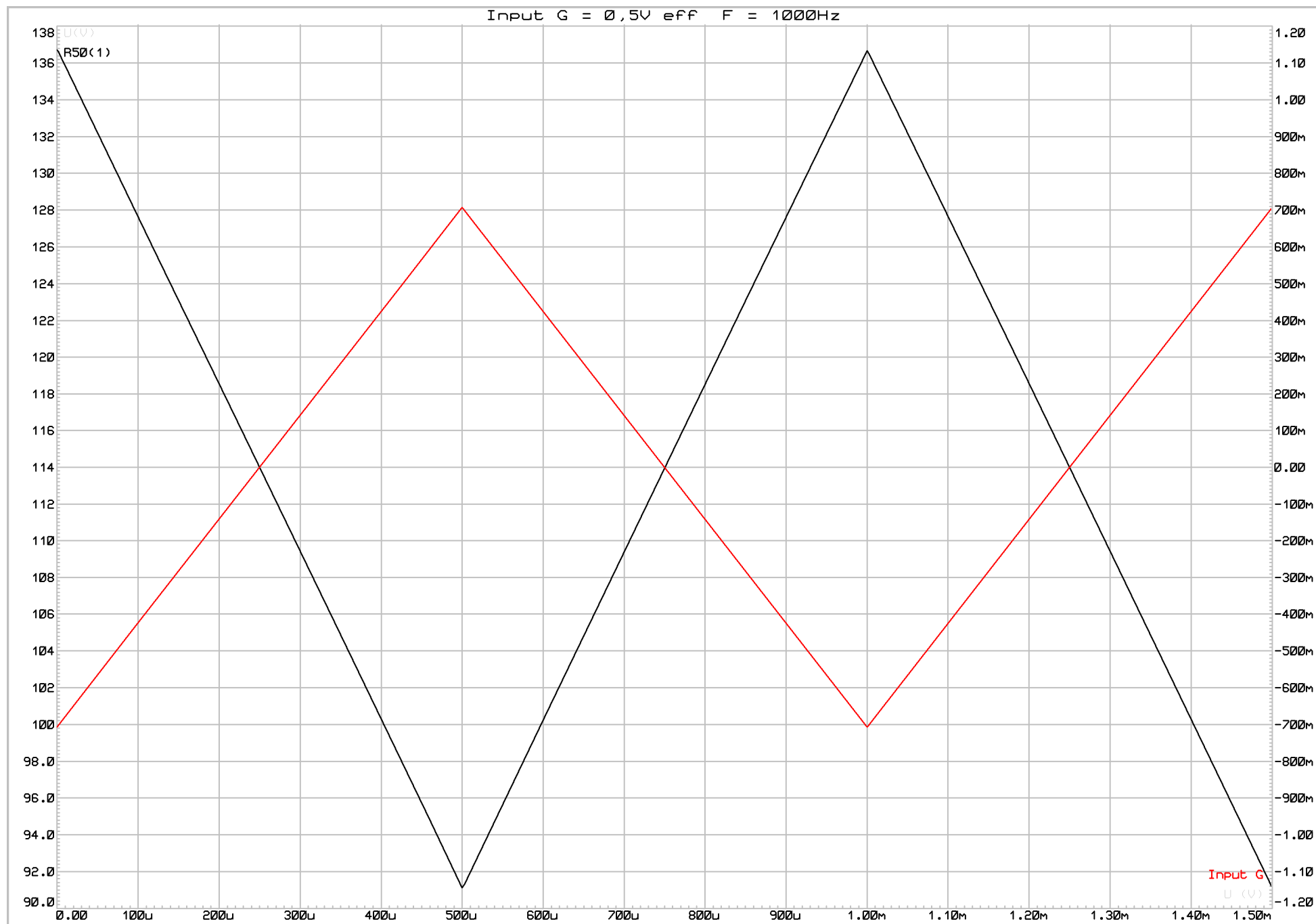
1 Hz – 10 Hz – 20 Hz – 100 Hz – 1000 Hz – 5000 Hz – 10 kHz – 20 kHz – 100 kHz – 500kHz – 1 MHz

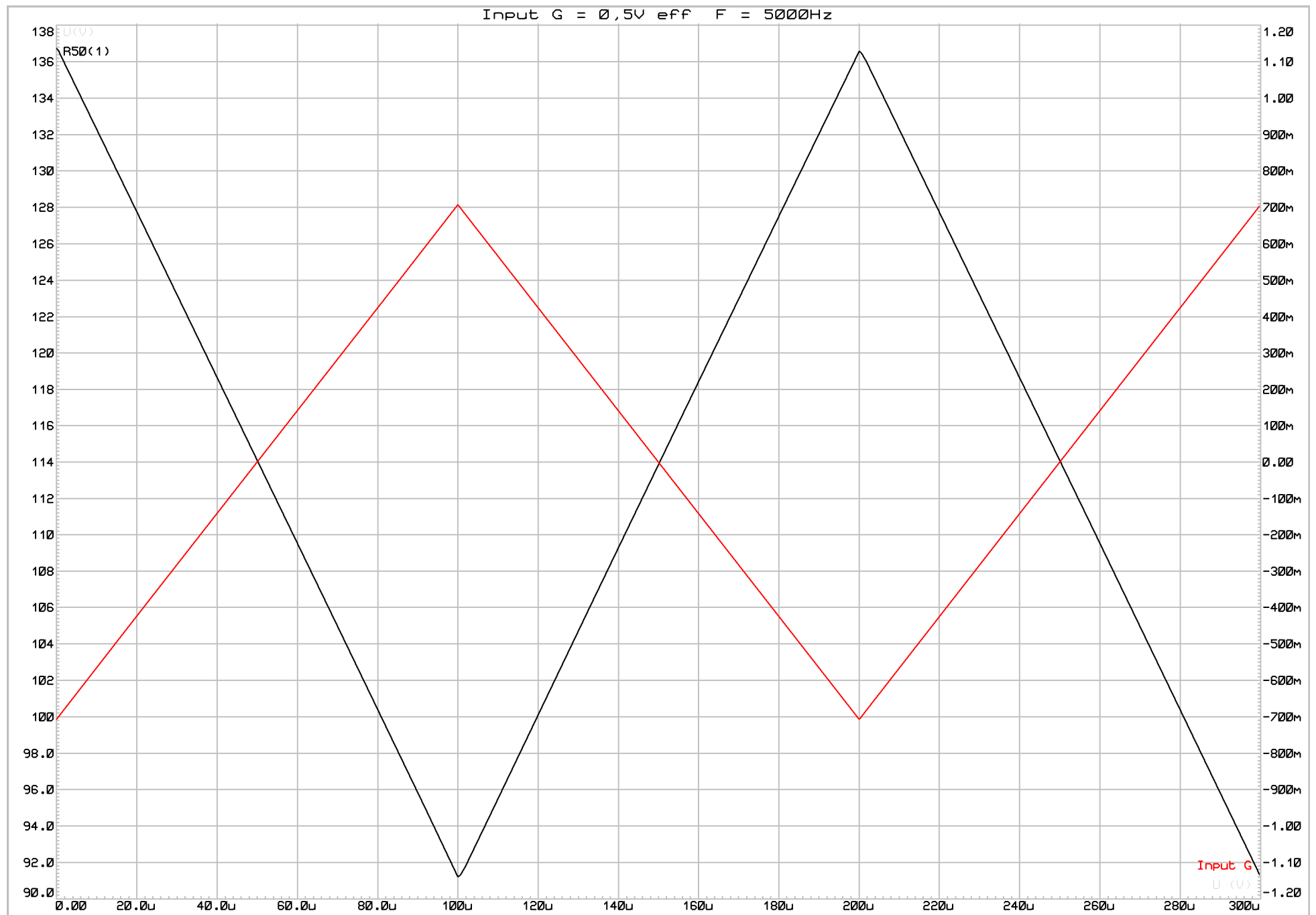


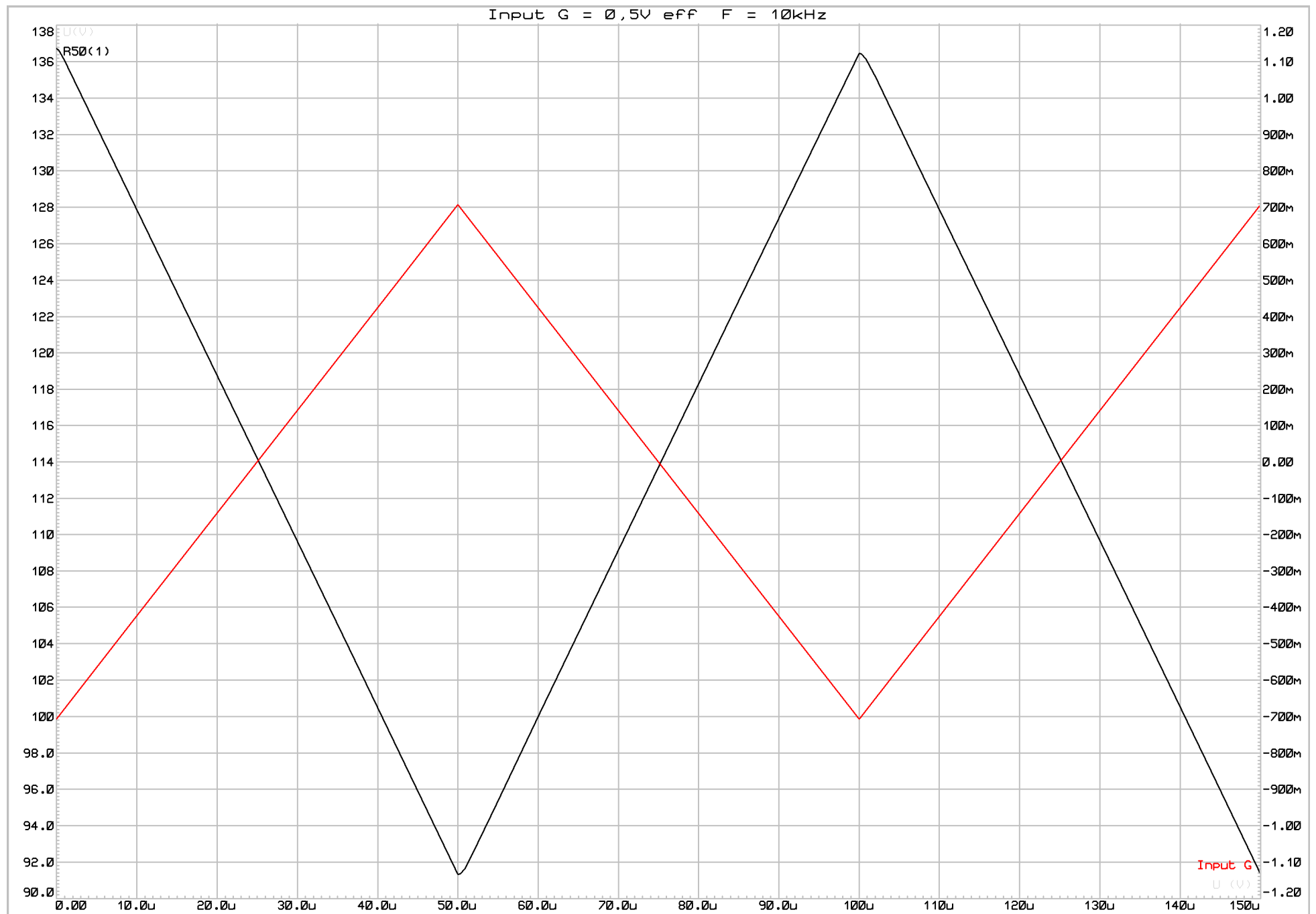












Input G = 0,5V eff F = 20kHz

