Wien_bridge oscillator

simualted by: Alireza Sotoodeh

Circuit 1 (U1):
- 50k potentiometer
- 1N4007 (x2)
- 10k
- -12v, +12v
- 741 op-amp
- 10nF, 10k
- 10nF, 10k
- out(1)

Circuit 2 (U2):
- 50k potentiometer
- 1N4007 (x2)
- 10k
- -12v, +12v
- 741 op-amp
- 10nF, 50k
- 10nF, 50k
- out(2)

Circuit 3 (U3):
- 50k potentiometer
- 1N4007 (x2)
- 10k
- -12v, +12v
- 741 op-amp
- 16nF, 10k
- 16nF, 10k
- out(3)

Circuit 4 (U4):
- 50k potentiometer
- 1N4007 (x2)
- 10k
- -12v, +12v
- 741 op-amp
- 100nF, 50k
- 100nF, 50k
- out(4)

ANALOGUE ANALYSIS — out(1): 20.0, 10.0, 0.00, -10.0, -20.0 ; 0.00, 20.0m, 40.0m

ANALOGUE ANALYSIS — out(2): 20.0, 10.0, 0.00, -10.0, -20.0 ; 0.00, 20.0m, 40.0m

ANALOGUE ANALYSIS — out(3): 20.0, 10.0, 0.00, -10.0, -20.0 ; 0.00, 20.0m, 40.0m

ANALOGUE ANALYSIS — out(4): 20.0, 10.0, 0.00, -10.0, -20.0 ; 0.00, 50.0m, 100m