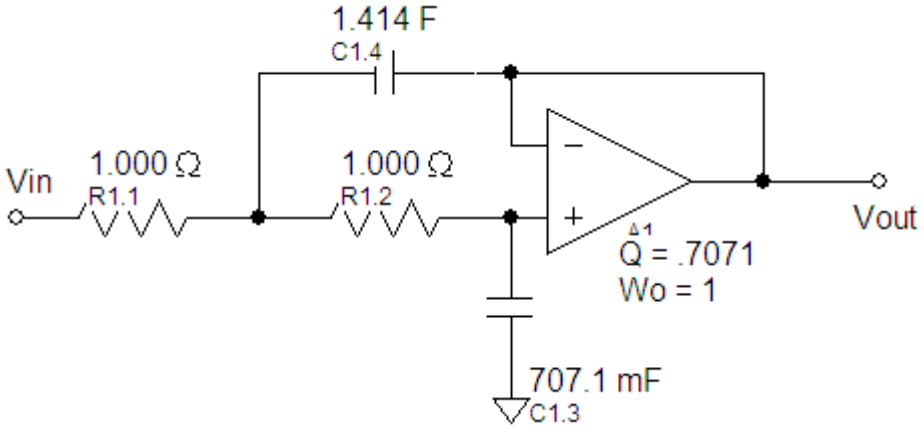
CIRCUITOS BASADOS EN CELDAS DE SALLEN-KEY DE SEGUNDO GRADO, PASA BAJOS Y PASA ALTOS DE BUTTERWORTH, BESSEL Y CHEBYSHEV , NORMALIZADOS CON ω_C = 1 [rps] y R = 1 [Ω]

Para desnormalizar fijamos el valor de los resistores con valores tabulados y para desnormalizar los capacitores aplicamos la siguiente expresión:

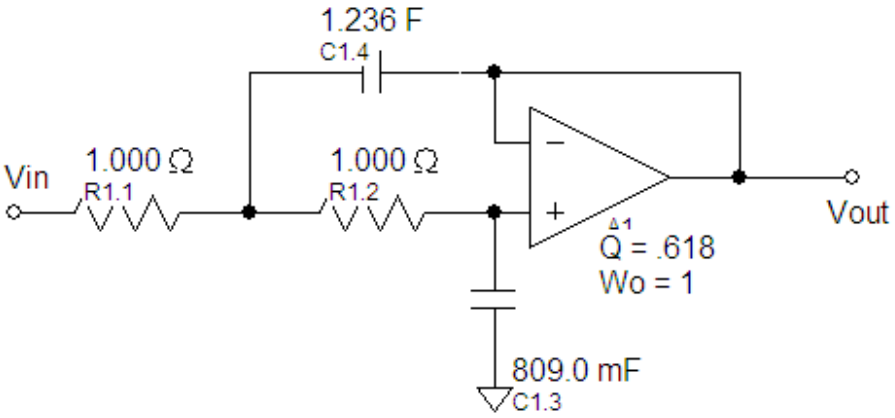
$$Rx = Rn * R_{TABLA}$$

$$Cx = \frac{Cn}{\omega_P * Rx} = \frac{Cn}{2 * \pi * f_P * Rx}$$

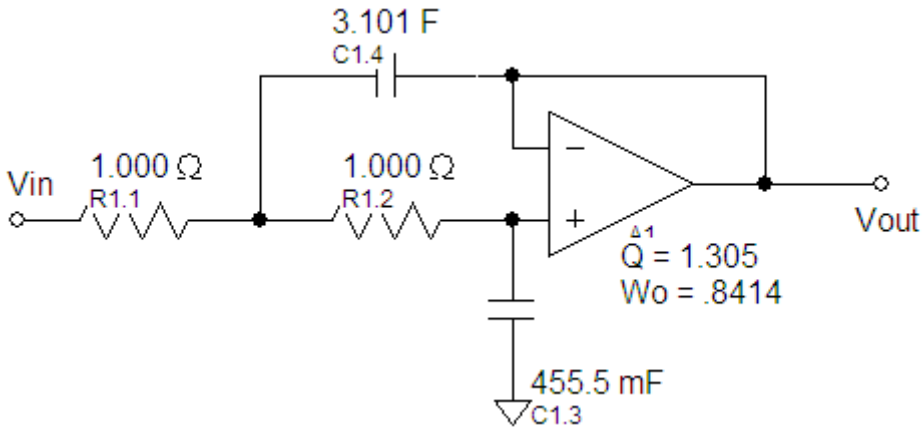
Filtro pasa Sallen-Key bajos normalizado de Butterworth (Amax = 3 [dB])



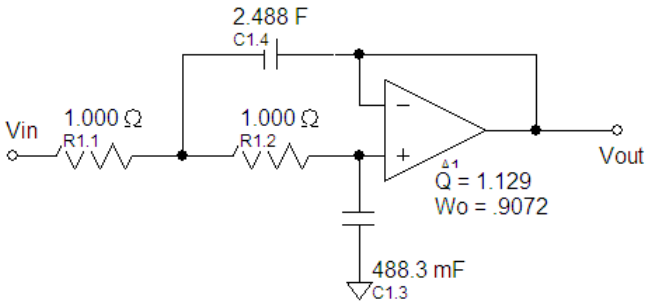
Filtro pasa Sallen-Key bajos normalizado de Bessel (Amax = 3 [dB])



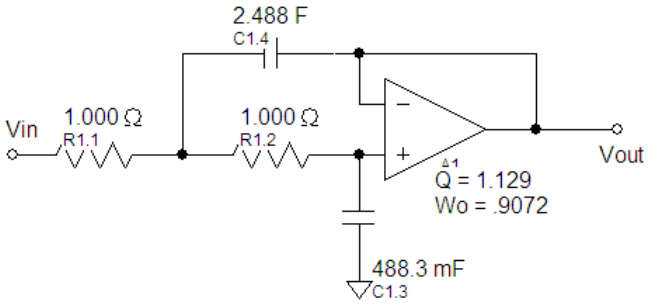
Filtro pasa Sallen-Key bajos normalizado de Chebyshev (Amax = 3 [dB])



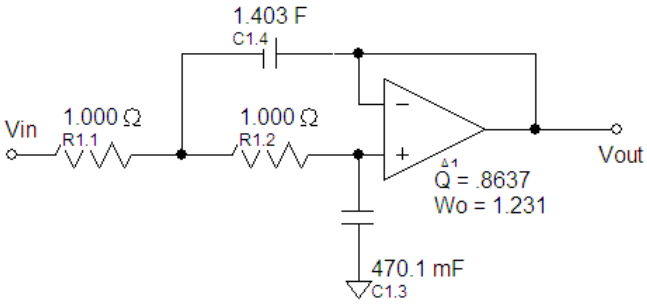
Filtro Sallen-Key pasa bajos normalizado de Chebyshev (Amax = 2 [dB])



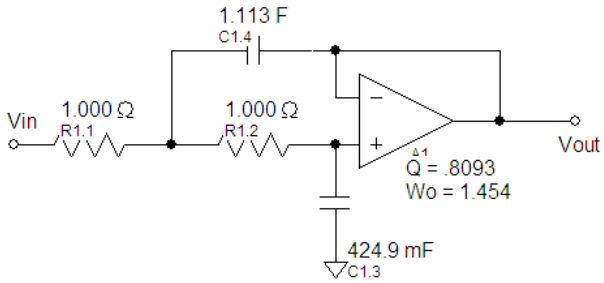
Filtro Sallen-Key pasa bajos normalizado de Chebyshev (Amax = 1 [dB])



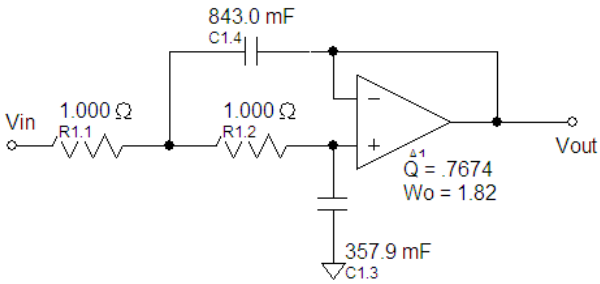
Filtro Sallen-Key pasa bajos normalizado de Chebyshev (Amax = 0,5 [dB])



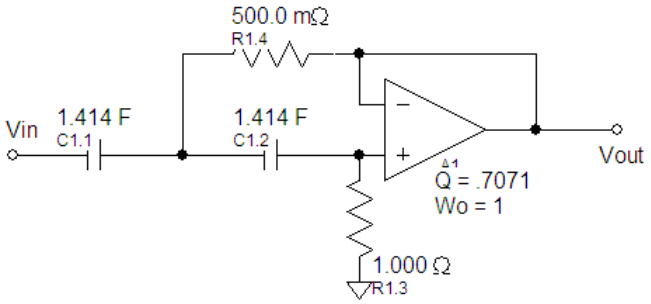
Filtro Sallen-Key pasa bajos normalizado de Chebyshev (Amax = 0,25 [dB]



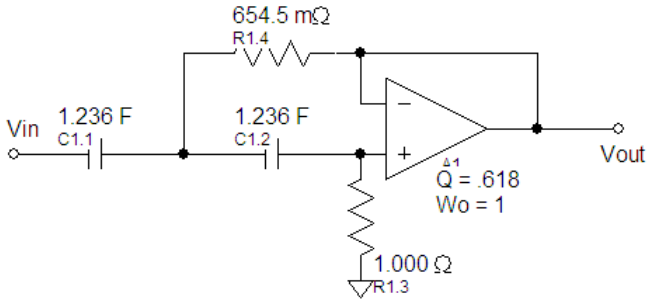
Amax = 0,1 [dB])



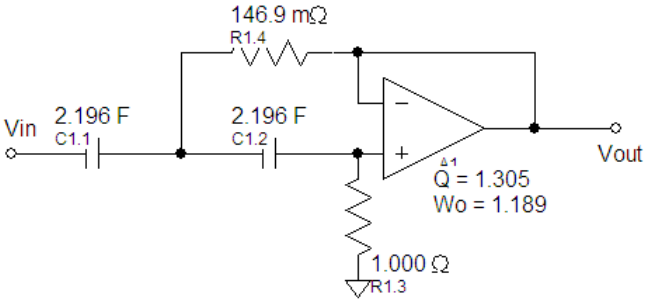
Filtro Sallen-Key pasa altos normalizado de Butterworth (Amax = 3 [dB])



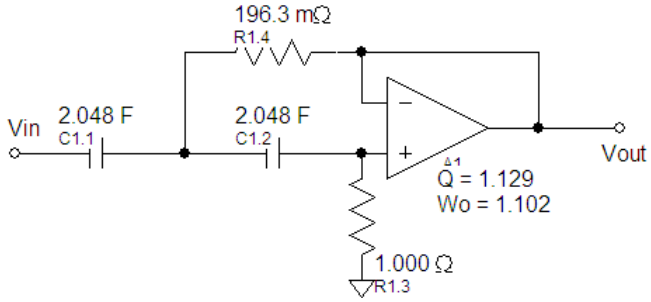
Filtro Sallen-Key pasa altos normalizado de Bessel (Amax = 3 [dB])



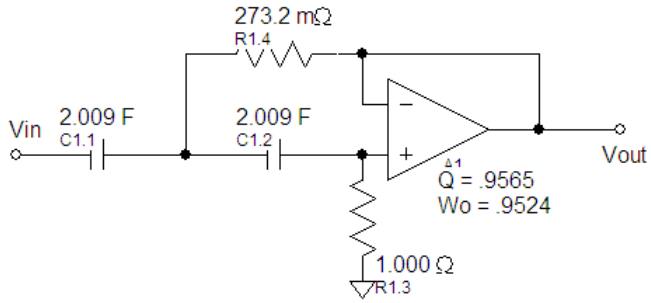
Filtro Sallen-Key pasa altos normalizado de Chebyshev (Amax = 3 [dB])



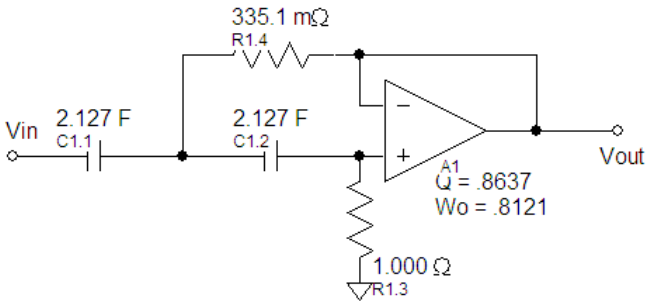
Filtro Sallen-Key pasa altos normalizado de Chebyshev (Amax = 2 [dB])



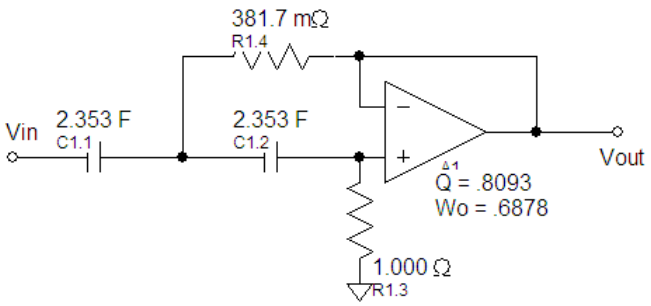
Filtro Sallen-Key pasa altos normalizado de Chebyshev (Amax = 1 [dB])



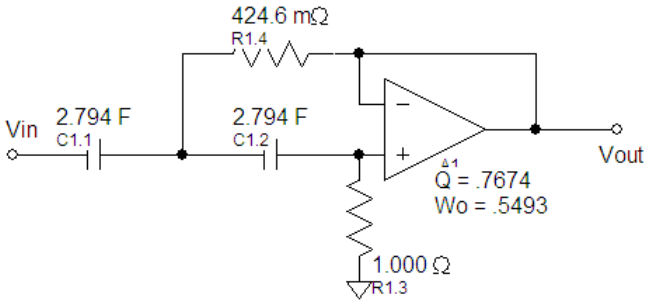
Filtro Sallen-Key pasa altos de Chebyshev (Amax = 0.5 [dB])



Filtro Sallen-Key pasa altos normalizado de Chebyshev (Amax = 0.25 [dB])

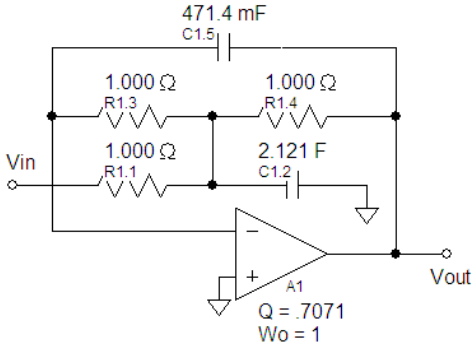


Filtro Sallen-Key pasa altos normalizado de Chebyshev (Amax = 0.1 [dB])

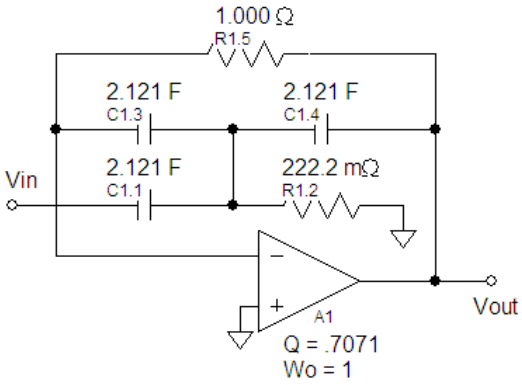


CIRCUITOS BASADOS EN CELDAS DE RAUCH (MFB) DE SEGUNDO GRADO, PASA BAJOS Y PASA ALTOS DE BUTTERWORTH, BESSEL Y CHEBYSHEV , NORMALIZADOS CON ω_C = 1 [rps] y R = 1 [Ω]

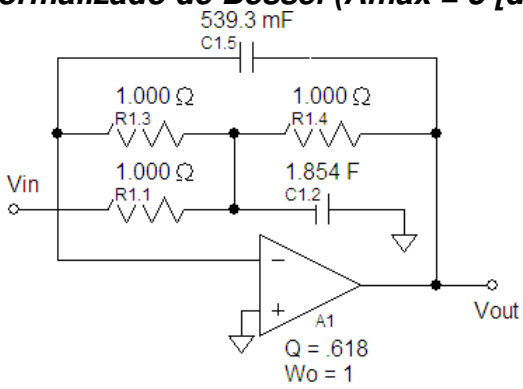
Filtro Rauch pasa bajos normalizado de Butterworth (Amax = 3 [dB])



Filtro Rauch pasa altos normalizado de Butterworth (Amax = 3 [dB])



Filtro Rauch pasa bajos normalizado de Bessel (Amax = 3 [dB])



Filtro Rauch pasa altos normalizado de Bessel (Amax = 3 [dB])