Loop Order	Noise Bandwidth	Typical Filter
	B_n (Hz)	Values
First	$\frac{\omega_o}{4}$	ω_o
		$B_n = 0.25\omega_o$
		ω_o^2
Second	$\frac{\omega(1+a_2^2)}{4a_2}$	$a_2\omega_o = 1.414\omega_o$
	_	$B_n = 0.53\omega_o$
		ω_o^3
Third	$\frac{\omega(a_3b_3^2 + a_3^2 - b_3)}{4(a_3b_3 - 1)}$	$a_3\omega_o^2 = 1.1\omega_o^2$
	,	$b_3\omega_o = 2.4\omega_o$
		$B_n = 0.7845\omega_o$