

Wishlist (Loop Gain and Loop Bandwidth)

$$\text{sol1} = \sqrt{(-1.0 + \sqrt{1.0 + 4.0 * (\text{alphamax}^{**2}) * (\text{tauc}^{**2})})} / (2.0 * \text{tauc}^{**2})$$

$$\text{sol2} = -\sqrt{(-1.0 + \sqrt{1.0 + 4.0 * (\text{alphamax}^{**2}) * (\text{tauc}^{**2})})} / (2.0 * \text{tauc}^{**2})$$

sol1	v=128	fc= 1e+04Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=1.4373e+05Hz
sol2	v=128	fc= 1e+04Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=-1.4373e+05Hz
sol1	v=128	fc= 1e+05Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=4.4959e+05Hz
sol2	v=128	fc= 1e+05Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=-4.4959e+05Hz
sol1	v=128	fc= 1e+06Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=1.2768e+06Hz
sol2	v=128	fc= 1e+06Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=-1.2768e+06Hz
sol1	v=128	fc= 1e+07Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=2.0294e+06Hz
sol2	v=128	fc= 1e+07Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=-2.0294e+06Hz
sol1	v=128	fc= 1e+08Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=2.0703e+06Hz
sol2	v=128	fc= 1e+08Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=-2.0703e+06Hz
sol1	v=128	fc= 1e+09Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=2.0707e+06Hz
sol2	v=128	fc= 1e+09Hz,	Steady State Loop Gain=2.0707e+06 Hz,	Loop Bandwidth=-2.0707e+06Hz

sol1	v=256	fc= 1e+04Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=1.0151e+05Hz
sol2	v=256	fc= 1e+04Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=-1.0151e+05Hz
sol1	v=256	fc= 1e+05Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=3.1410e+05Hz
sol2	v=256	fc= 1e+05Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=-3.1410e+05Hz
sol1	v=256	fc= 1e+06Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=8.0609e+05Hz
sol2	v=256	fc= 1e+06Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=-8.0609e+05Hz
sol1	v=256	fc= 1e+07Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=1.0299e+06Hz
sol2	v=256	fc= 1e+07Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=-1.0299e+06Hz
sol1	v=256	fc= 1e+08Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=1.0353e+06Hz
sol2	v=256	fc= 1e+08Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=-1.0353e+06Hz
sol1	v=256	fc= 1e+09Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=1.0354e+06Hz
sol2	v=256	fc= 1e+09Hz,	Steady State Loop Gain=1.0354e+06 Hz,	Loop Bandwidth=-1.0354e+06Hz

Wishlist (Loop Gain and Loop Bandwidth)

sol1	v=512	fc= 1e+04Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=7.1604e+04Hz
sol2	v=512	fc= 1e+04Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=-7.1604e+04Hz
sol1	v=512	fc= 1e+05Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=2.1682e+05Hz
sol2	v=512	fc= 1e+05Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=-2.1682e+05Hz
sol1	v=512	fc= 1e+06Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=4.6875e+05Hz
sol2	v=512	fc= 1e+06Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=-4.6875e+05Hz
sol1	v=512	fc= 1e+07Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=5.1700e+05Hz
sol2	v=512	fc= 1e+07Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=-5.1700e+05Hz
sol1	v=512	fc= 1e+08Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=5.1768e+05Hz
sol2	v=512	fc= 1e+08Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=-5.1768e+05Hz
sol1	v=512	fc= 1e+09Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=5.1769e+05Hz
sol2	v=512	fc= 1e+09Hz,	Steady State Loop Gain=5.1769e+05 Hz,	Loop Bandwidth=-5.1769e+05Hz

sol1	v=1024	fc= 1e+04Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=5.0388e+04Hz
sol2	v=1024	fc= 1e+04Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=-5.0388e+04Hz
sol1	v=1024	fc= 1e+05Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=1.4616e+05Hz
sol2	v=1024	fc= 1e+05Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=-1.4616e+05Hz
sol1	v=1024	fc= 1e+06Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=2.5105e+05Hz
sol2	v=1024	fc= 1e+06Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=-2.5105e+05Hz
sol1	v=1024	fc= 1e+07Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=2.5876e+05Hz
sol2	v=1024	fc= 1e+07Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=-2.5876e+05Hz
sol1	v=1024	fc= 1e+08Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=2.5884e+05Hz
sol2	v=1024	fc= 1e+08Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=-2.5884e+05Hz
sol1	v=1024	fc= 1e+09Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=2.5884e+05Hz
sol2	v=1024	fc= 1e+09Hz,	Steady State Loop Gain=2.5884e+05 Hz,	Loop Bandwidth=-2.5884e+05Hz
