
Periodic Steady-State Analysis `pss': guessed fund = 6.24255 MHz

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`pss': time = (12.0809 us -> 12.5615 us)
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Notice from spectre during periodic steady state analysis `pss'.
Detected onset of periodicity of `V5' (12.2411 us) is much
greater than the estimated period (160.191 ns), which may
result in a long initial transient analysis.

Important parameter values in tstab integration:

start = 12.0809 us
outputstart = 12.0809 us
stop = 12.5615 us
period = 160.191 ns
step = 320.384 ps
maxstep = 6.40764 ns
ic = all
skipdc = yes
reltol = 10e-06
abstol(I) = 1 pA
abstol(V) = 10 nV
temp = 27 C
tnom = 27 C
tempeffects = all
method = traonly
lteratio = 3.5
relref = sigglobal
cmin = 0 F
gmin = 1 pS
maxrsd = 0 Ohm
mos_method = s
mos_vres = 50 mV

pss: time = 12.09 us	(2.52 %)	, step = 221.4 ps	(46.1 m%)
pss: time = 12.12 us	(7.55 %)	, step = 273.8 ps	(57 m%)
pss: time = 12.14 us	(12.5 %)	, step = 117.2 ps	(24.4 m%)
pss: time = 12.17 us	(17.5 %)	, step = 260.1 ps	(54.1 m%)
pss: time = 12.19 us	(22.5 %)	, step = 65.54 ps	(13.6 m%)
pss: time = 12.21 us	(27.5 %)	, step = 147.2 ps	(30.6 m%)
pss: time = 12.24 us	(32.6 %)	, step = 300.7 ps	(62.6 m%)
pss: time = 12.26 us	(37.5 %)	, step = 18.8 ps	(3.91 m%)
pss: time = 12.29 us	(42.5 %)	, step = 73.47 ps	(15.3 m%)
pss: time = 12.31 us	(47.5 %)	, step = 201.9 ps	(42 m%)
pss: time = 12.33 us	(52.5 %)	, step = 140.3 ps	(29.2 m%)
pss: time = 12.36 us	(57.5 %)	, step = 291.8 ps	(60.7 m%)
pss: time = 12.38 us	(62.6 %)	, step = 281.4 ps	(58.6 m%)
pss: time = 12.41 us	(67.5 %)	, step = 296.6 ps	(61.7 m%)
pss: time = 12.43 us	(72.5 %)	, step = 68.82 ps	(14.3 m%)
pss: time = 12.45 us	(77.5 %)	, step = 132 ps	(27.5 m%)
pss: time = 12.48 us	(82.5 %)	, step = 291.7 ps	(60.7 m%)
pss: time = 12.5 us	(87.5 %)	, step = 18.03 ps	(3.75 m%)
pss: time = 12.53 us	(92.5 %)	, step = 286.6 ps	(59.6 m%)
pss: time = 12.55 us	(97.5 %)	, step = 227.1 ps	(47.3 m%)

Conv norm = 150, max dI(I54.V8:p) = -1.93618 uA, took 61.47 s.

Important parameter values in pss iteration:

start = 12.5615 us
outputstart = 12.0809 us
stop = 12.7217 us
period = 160.191 ns

steadyratio = 100e-03
step = 320.384 ps
maxstep = 400.477 ps
ic = all
skipdc = yes
reltol = 10e-06
abstol(I) = 1 pA
abstol(V) = 10 nV
temp = 27 C
tnom = 27 C
tempeffects = all
errpreset = conservative
method = gear2only
lteratio = 3.5
relref = alllocal
cmin = 0 F
gmin = 1 pS
maxrsd = 0 Ohm
mos_method = s
mos_vres = 50 mV

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`pss': time = (12.5615 us -> 12.7217 us)
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pss: time = 12.57 us (2.74 %), step = 400.5 ps (250 m%)
pss: time = 12.57 us (7.73 %), step = 377.5 ps (236 m%)
pss: time = 12.58 us (12.2 %), step = 1.517 ps (947 u%)
pss: time = 12.58 us (12.5 %), step = 9.253 ps (5.78 m%)
pss: time = 12.59 us (17.5 %), step = 43.39 ps (27.1 m%)
pss: time = 12.6 us (22.6 %), step = 169.2 ps (106 m%)
pss: time = 12.61 us (27.5 %), step = 221.4 ps (138 m%)
pss: time = 12.61 us (32.7 %), step = 392.9 ps (245 m%)
pss: time = 12.62 us (37.7 %), step = 400.5 ps (250 m%)
pss: time = 12.63 us (42.6 %), step = 400.5 ps (250 m%)
pss: time = 12.64 us (47.5 %), step = 189.9 ps (119 m%)
pss: time = 12.65 us (52.7 %), step = 400.5 ps (250 m%)
pss: time = 12.65 us (57.7 %), step = 380.1 ps (237 m%)
pss: time = 12.66 us (62.2 %), step = 2.745 ps (1.71 m%)
pss: time = 12.66 us (62.5 %), step = 12.18 ps (7.6 m%)
pss: time = 12.67 us (67.5 %), step = 37.09 ps (23.2 m%)
pss: time = 12.68 us (72.6 %), step = 169.2 ps (106 m%)
pss: time = 12.69 us (77.5 %), step = 221.3 ps (138 m%)
pss: time = 12.69 us (82.7 %), step = 392.4 ps (245 m%)
pss: time = 12.7 us (87.7 %), step = 400.5 ps (250 m%)
pss: time = 12.71 us (92.6 %), step = 400.5 ps (250 m%)
pss: time = 12.72 us (97.5 %), step = 190.3 ps (119 m%)
Conv norm = 150, max dI(I54.V8:p) = 1.93618 uA, took 42.72 s.
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`pss': time = (12.5615 us -> 12.7217 us)
=====
pss: time = 12.57 us (2.74 %), step = 400.5 ps (250 m%)
pss: time = 12.57 us (7.73 %), step = 377.5 ps (236 m%)
pss: time = 12.58 us (12.2 %), step = 1.051 ps (656 u%)
pss: time = 12.58 us (12.5 %), step = 9.184 ps (5.73 m%)
pss: time = 12.59 us (17.5 %), step = 44.08 ps (27.5 m%)
pss: time = 12.6 us (22.6 %), step = 169.4 ps (106 m%)
pss: time = 12.61 us (27.5 %), step = 219.5 ps (137 m%)
pss: time = 12.61 us (32.7 %), step = 392.3 ps (245 m%)
pss: time = 12.62 us (37.7 %), step = 400.5 ps (250 m%)
pss: time = 12.63 us (42.5 %), step = 400.5 ps (250 m%)
pss: time = 12.64 us (47.5 %), step = 189.2 ps (118 m%)
pss: time = 12.65 us (52.7 %), step = 400.5 ps (250 m%)
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pss: time = 12.65 us    (57.7 %), step = 380.6 ps    (238 m%)
pss: time = 12.66 us    (62.2 %), step = 1.927 ps     (1.2 m%)
pss: time = 12.66 us    (62.5 %), step = 11.47 ps    (7.16 m%)
pss: time = 12.67 us    (67.5 %), step = 52.52 ps    (32.8 m%)
pss: time = 12.68 us    (72.6 %), step = 169.4 ps    (106 m%)
pss: time = 12.69 us    (77.5 %), step = 219.5 ps    (137 m%)
pss: time = 12.69 us    (82.7 %), step = 391.9 ps    (245 m%)
pss: time = 12.7 us     (87.7 %), step = 400.5 ps    (250 m%)
pss: time = 12.71 us    (92.6 %), step = 400.5 ps    (250 m%)
pss: time = 12.72 us    (97.5 %), step = 189.6 ps    (118 m%)
Conv norm = 241e-03, max dV(out) = -3.16548 uV, took 42.58 s.
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