

Digits := 4

"----- Step 1 - Vvod dannyh ----- "

g := 10

Moc := 2

Mchel := 0.5

Mos := 0.2

Mdop := 0.1

Mpl := 2.8

Mpl := 3

"----- Step 2 ---Ves tela ----- "

Ppl := 30

Mnr := 1

Pnr := 10

Psum := 40

"----- Step 3 ---- Reakcii opor: R, A ----- "

$\pi l 80$:= 0.01746

nx := 3

ny := 3

nz := 3

nv := 1

FRnr := 105

FAnr := 160

bkGr := 20

bk := 0.3492

APNnr := 150

FRpl := 79

F Apl := 158

APNpl := 130

"----- Step 4 ---- M treniya opor ----- "

M0 := 7.2

F0 := 500

k1 := 0.0069

k2 := 0.0035

k3 := 0.008

Mtry := 340

Mtrx := 300

"----- Step 5 --- M nebalance pri sborke ----- "

FRnr0 := 20

FAnr0 := 0

APNnr0 := 0

FRpl0 := 15

FApl0 := 0

APNpl0 := 0

M0 := 7.2

F0 := 500

k1 := 0.0069

k2 := 0.0035

k3 := 0.0008

M00 := 8.900

Mnby0 := 32

Mnbx0 := 30

"----- Step 6 -- M nebalance pri ekspluatacii -----

"

aM := 70

bM := 60

MnbYmin := 10000

MnbYmax := -10000

MnbXmin := 10000

MnbXmax := -10000

"MY nb =", -361, 366

"MX nb =", -169, 207

MnbY := 366

MnbX := 207

"----- Step 7 --- inerc M ot vrashenia LA -----

---- "

apl := 0.220

bpl := 0.220

cpl := 0.08

JplZ := 0.02420

anr := 0.240

bnr := 0.240

cnr := 0.02

t := 0.02

Vnr1 := 0.001152

$Vnr2 := 0.0009680$

$Vnr := 0.0001840$

$plotn := 5435.$

$JnrX := 0.008867$

$JnrY := 0.008867$

$JnrZ := 0.01767$

$B := 0.03307$

$w100 := 1.746$

$wxc := 1.746$

$wyc := 1.746$

$wzc := 1.746$

$wt140 := 2.444$

$wtxc := 2.444$

$wtyc := 2.444$

$wtzc := 2.444$

$wwMYmin := 10000$

$wwMYmax := -10000$

"wwMYmin =", -6056

"wwMYmax =", 4666

$wwinMY := 6056$

"----- Step 8 -- inerc Moment ot uglovyh kolebanii
LA ----- "

$gamGr := 2$

$gam := 0.03492$

$f := 3$

$wf := 6 \pi$

$gamMYmin := 10000$

$gamMYmax := -10000$

$nt := 10$

$ht := 0.2095$

"gamMYmin =", -6494

"gamMYmax =", 5587

$gamMY := 6494$

"----- Step 9 -- Mynr u neravnozhestkogo podvesa ---
--- "

$CBradHP := 250$

$CBaxeHP := 100$

CBradPL := 270
CBaxePL := 110
CXHP := 1.45
CYHP := 1.58
CZHP := 1.39
CqXHP := 7.80
CqYHP := 21.6
CqZHP := 10.4
cHP0X := 1.217
cHP0Z := 1.220
cPL0Z := 270
cPL0Y := 270
McHPy := 12
McPLx := 0
lambdaHP := 3
lambdaPL := 6
McvHPy := 12

"----- Step 10 --- Momenty v tokovyvodovah -----
----- "

Nknr := 58
Nkpl := 50
Nsh := 1
Rk := 0.5
Fk := 0.1
f := 0.2
Mknr := 58.00
Mkpl := 50.00
tetaGrnr := 70
tetanr := 1.222
tetaGrpl := 60
tetapl := 1.048
LtpHP := 12
LtpPL := 10
MtrwHPy := 39
MtrwPLx := 40
Mtoky := 39
Mtokx := 40

"----- Step 11 --- Momenty privoda ----- "

MinPy := 80

MdPy := 280

MinPx := 23

MdPx := 60

"----- Step 12 ---- Summarnye Max Momenty -----
---- "

SumMy := 13679

SumMx := 630