[VERTICAL]

VERTICAL\_STIFFNESS = 125000

VERTICAL\_DAMPING = 500

BREFF = 8.4

DREFF = 0.27

FREFF = 0.07

Q\_RE0 = 1

Q\_V1 = 0

Q\_V2 = 0

Q\_FZ2 = 0.0001

Q\_FCX = 0

Q\_FCY = 0

Q\_CAM = 0

PFZ1 = 0

Q\_FCY2 = 0

Q\_CAM1 = 0

Q\_CAM2 = 0

Q\_CAM3 = 0

Q\_FYS1 = 0

Q\_FYS2 = 0

Q\_FYS3 = 0

BOTTOM\_OFFST = 0.001

$------------------------------------------------------------structural

[STRUCTURAL]

LONGITUDINAL\_STIFFNESS = 200000

LATERAL\_STIFFNESS = 100000

Q\_BVX = 0

Q\_BVT = 0

PCFX1 = 0

PCFX2 = 0

PCFX3 = 0

PCFY1 = 0

PCFY2 = 0

PCFY3 = 0

PCMZ1 = 0

$---------------------------------------------------------contact patch

[CONTACT\_PATCH]

Q\_RA1 = 0.5

Q\_RA2 = 1

Q\_RB1 = 1

Q\_RB2 = -1

ENV\_C1 = 0

ENV\_C2 = 0

$----------------------------------------------inflation pressure range

[INFLATION\_PRESSURE\_RANGE]

PRESMIN = 0

PRESMAX = 110000

$--------------------------------------------------vertical force range

[VERTICAL\_FORCE\_RANGE]

FZMIN = 10

FZMAX = 2000

$-------------------------------------------------------long slip range

[LONG\_SLIP\_RANGE]

KPUMIN = -1

KPUMAX = 1

$------------------------------------------------------slip angle range

[SLIP\_ANGLE\_RANGE]

ALPMIN = -1.5

ALPMAX = 1.5

$-----------------------------------------------inclination angle range

[INCLINATION\_ANGLE\_RANGE]

CAMMIN = -0.15

CAMMAX = 0.15

$--------------------------------------------------scaling coefficients

[SCALING\_COEFFICIENTS]

LFZO = 1

LCX = 1

LMUX = 1

LEX = 1

LKX = 1

LHX = 1

LVX = 1

LCY = 1

LMUY = 1

LEY = 1

LKY = 1

LHY = 1

LVY = 1

LTR = 1

LRES = 1

LXAL = 1

LYKA = 1

LVYKA = 1

LS = 1

LKYC = 1

LKZC = 1

LVMX = 1

LMX = 1

LMY = 1

LMP = 1

$---------------------------------------------longitudinal coefficients

[LONGITUDINAL\_COEFFICIENTS]

PCX1 = 1.5

PDX1 = 1.0873

PDX2 = -0.35238

PDX3 = 15

PEX1 = -1.0967e-14

PEX2 = -0.53476

PEX3 = 0

PEX4 = 0

PKX1 = 15.7957

PKX2 = -5.4298e-06

PKX3 = -0.50045

PHX1 = 0.00044435

PHX2 = -0.00013588

PVX1 = -0.0020342

PVX2 = -0.0031305

PPX1 = -4.8571

PPX2 = -12.8163

PPX3 = -1.7792

PPX4 = -4.9777

RBX1 = 34.2521

RBX2 = 23.3602

RBX3 = 3128.3152

RCX1 = 1.1085

REX1 = 1

REX2 = 0.17228

RHX1 = 0.01017

$----------------------------------------------overturning coefficients

[OVERTURNING\_COEFFICIENTS]

QSX1 = 0

QSX2 = 0

QSX3 = 0

QSX4 = 5

QSX5 = 1

QSX6 = 10

QSX7 = 0

QSX8 = 0

QSX9 = 0.4

QSX10 = 0

QSX11 = 5

QSX12 = 0

QSX13 = 0

QSX14 = 0

PPMX1 = 0

$--------------------------------------------------lateral coefficients

[LATERAL\_COEFFICIENTS]

PCY1 = 1.5

PDY1 = 1.0699

PDY2 = -0.13086

PDY3 = 10

PEY1 = 0.62714

PEY2 = -0.038102

PEY3 = 0.27112

PEY4 = -5.2103

PEY5 = -4.9429

PKY1 = -19.0143

PKY2 = 1.619

PKY3 = 0.13789

PKY4 = 2

PKY5 = 83.2406

PKY6 = -0.10404

PKY7 = -0.087684

PHY1 = -0.0019025

PHY2 = -0.0014375

PVY1 = -0.027467

PVY2 = 0.00087313

PVY3 = -0.46572

PVY4 = -0.77406

PPY1 = 0.093047

PPY2 = 0.86801

PPY3 = -0.97413

PPY4 = -1.7588

PPY5 = 0

RBY1 = 10.3014

RBY2 = 2

RBY3 = -0.032507

RBY4 = 33.0862

RCY1 = 0.85733

REY1 = -0.7076

REY2 = -0.48663

RHY1 = 0.022281

RHY2 = 0.022648

RVY1 = 0

RVY2 = 0

RVY3 = 0

RVY4 = 0

RVY5 = 0

RVY6 = 0

$--------------------------------------------------rolling coefficients

[ROLLING\_COEFFICIENTS]

QSY1 = 0.01

QSY2 = 0

QSY3 = 0.0004

QSY4 = 4e-05

QSY5 = 0

QSY6 = 0

QSY7 = 0.85

QSY8 = -0.4

$-------------------------------------------------aligning coefficients

[ALIGNING\_COEFFICIENTS]

QBZ1 = 10

QBZ2 = 0

QBZ3 = 0

QBZ4 = 0

QBZ5 = 0

QBZ9 = 10

QBZ10 = 0

QCZ1 = 1.1

QDZ1 = 0.12

QDZ2 = 0

QDZ3 = 0

QDZ4 = 0

QDZ6 = 0

QDZ7 = 0

QDZ8 = -0.05

QDZ9 = 0

QDZ10 = 0

QDZ11 = 0

QEZ1 = 0

QEZ2 = 0

QEZ3 = 0

QEZ4 = 0

QEZ5 = 0

QHZ1 = 0

QHZ2 = 0

QHZ3 = 0

QHZ4 = 0

PPZ1 = 0

PPZ2 = 0

SSZ1 = 0

SSZ2 = 0

SSZ3 = 0

SSZ4 = 0

$-------------------------------------------------turnslip coefficients

[TURNSLIP\_COEFFICIENTS]

PDXP1 = 0.4

PDXP2 = 0

PDXP3 = 0

PKYP1 = 1

PDYP1 = 0.4

PDYP2 = 0

PDYP3 = 0

PDYP4 = 0

PHYP1 = 1

PHYP2 = 0.15

PHYP3 = 0

PHYP4 = -4

PECP1 = 0.5

PECP2 = 0

QDTP1 = 10

QCRP1 = 0.2

QCRP2 = 0.1

QBRP1 = 0.1

QDRP1 = 1