```
WINDOWSPATH"]]
                                                                                               Converted math functions:
                                                   -- I.i.n.u.x
                                                                                                   [tVar].abs,[tVar].acos, [tVar].cos
TexVar - CheatSheet
                                                   tPlot.gnuplot library="gnuplot"
                                                                                                   [tVar].cosh, [tVar].asin, [tVar].sin
October 26, 2015 - Sebastian Pech
                                                   tPlot.terminal = "pdf enhanced color
                                                                                                   [tVar].sinh, [tVar].atan, [tVar].tan
                                                       font 'Helvetica.12'"
                                                                                                   [tVar].tanh. [tVar].ceil
Init
                                                   tPlot.FileExtension = "pdf"
                                                                                                   [tVar].floor, [tVar].exp, [tVar].log
   require("tVar/init.lua")
                                                                                                   [tVar].log10, [tVar].rad, [tVar].deg
                                               New (without tVar[[]])
   tVar.getVersion()
                                                                                                   [tVar].atan2
                                                   tVar: New(0.04, "r {se}")
Input
                                                   tVec: New({10,2,7}, "v_{1}")
   t.Var[[
                                                   tMat: New({{10,2},{2,4},{7,4}},"A_2")
                                                                                               Plot
   a := 10
                                                                                                   tPlot: New([tPlot]present)
   b := a + 10
                                               Output
   A := (\{\{10,2\},\{2,4\},\{7,3\}\})
                                                   [tVar]:print()
                                                                                                   [tPlot].xlabel = "{/Symbol e} c"
   --Output LaTeX
                                                   [tVar]:outRES EQ N(number[bool],
                                                                                                   [tPlot].ylabel = "{/Symbol s}_c"
   # Variable %%b%% has the value $$b$$
                                                      enviroment[bool])
                                                                                                   [tPlot].steps = 0.0001
   --Functions
                                                   [tVar]:outRES EQ([bool],[bool])
                                                                                                   -- define x axis and range
   f(x, \leq x^2+2^{\leq x^2+2^{\leq x^2+2^{\leq x^2+2^{\leq x^2+2^{\leq x^2+2^2}}}}
                                                   [tVar]:outRES([bool],[bool])
                                                                                                   [tPlot].xtics = "0.001"
                                                   [tVar]:outEQ([bool],[bool])
                                                                                                   [tPlot].xrange = "[0:0.002]"
   tVar.intFile([string])
                                                   [tVar]:out()
                                                                                                   [tPlot].yrange = "[0:16]"
Global
                                                                                                   plotc.conf.size = "4cm,4cm"
                                               Set
   tVar.numFormat = "%.6f"
                                                   [tVar]:setName([string])
                                                                                                   [tPlot].add((fun|{{X1,Y1},{X2,Y2}}),
   tVar.mathEnviroment = "align"
                                                   [tVar]:setUnit([string])
                                                                                                      title, style)
   tVar.debugMode = "off"
                                                   [tVar]:clean(name[string])
                                                                                                   [tPlot].plot()
   tVar.outputMode = "RES EQ" -- RES,
      RES EQ. RES EQ N
                                               Misc
   tVar.numeration = true
                                                                                               Basic Document with Package
   tVar.decimalSeparator = "."
                                                   [tVar]:bracR()
   tVar.calcPrecision = 10
                                                   [tVar]:CRLF([string])
                                                                                                   \documentclass{article}
                                                   [tVar]:CRLFb([string])
   tVar.disableOutput = false
                                                                                                   \usepackage{texvar}
                                                   [tVar]:copy()
   tVar.autocutZero = true
                                                                                                  \usepackage[fleqn]{amsmath}
                                                   tex.print([string])
   tVar.autoprint = true
                                                                                                   \usepackage{graphicx}
   tVar.coloredOuput = false
                                                                                                  \usepackage[left=2.5cm,right=2.5cm,
                                               Math
   tVar.logInterp = false
                                                                                                      top=2.5cm,bottom=2cm,
   tMat.texStyle = "mathbf"
                                                   tVar.sqrt([tVar],[number])
                                                                                                      includeheadfoot]{geometry}
   tMat.eqTexAsMatrix = false
                                                                                                  \begin{document}
                                                   t.Var.PT
   tVec.texStvle = "vec"
                                                   [tMat]:T()
                                                                                                   \begin{tVar}
                                                   [tMat]:Det()
                                                                                                   -- INSERT TVAR CODE
   tPlot.steps = 0.01
                                                   [tMat]:Inv()
                                                                                                   \end{tVar}
   -- Windows
                                                   [tVec]:crossP()
                                                                                                   \end{document}
```

tPlot.gnuplot\_library=[[""

## **Basic Document without Package**