

tikzpicture[] axis[height = 101.6mm, ylabel = , title = Tokamak Circuit Profiles, xmin = 0, xmax = 7, ymax = 4.125, xlabel = Time, unbounded coords=jump,scaled x ticks = false,xticklabel style=rotate = 0,xmajorgrids = false,xtick = 0,1,4,5,7,xticklabels = 0,t1,t2,t3,t4,xtick align = inside,axis lines* = left,scaled y ticks = false,yticklabel style=rotate = 0,ymajorgrids = false,ytick = 0.0,-2.15,2.15,1.23,-1.5,yticklabels = 0,- I_{max} , I_{max} , I_P , $-\tilde{I}$,ytick align = inside,axis lines* = left, xshift = 0.0mm, yshift = 0.0mm, axis background/.style=fill=rgb,1:red,1.00000000;green,1.00000000;blue,1.00000000 , ymin = -3, width = 152.4mm]+[color = rgb,1:red,0.00000000;green,0.60560316;blue,0.97868012, draw opacity=1.0, line width=1.25, solid,mark = *, mark size = 2.5, mark options = color = rgb,1:red,0.00000000;green,0.00000000;blue,0.00000000, draw opacity = 1.0, fill = rgb,1:red,0.00000000;green,0.60560316;blue,0.97868012, fill opacity = 1.0, line width = 1, rotate = 0, solid]coordinates (0.0, -2.15) (1.0, -1.5) (4.0, 2.15) (5.0, 1.5) (7.0, -2.15) ; Primary Current + [color = rgb,1:red,0.88887350;green,0.43564919;blue,0.27812294, draw opacity=1.0, line width=1, solid,mark = none, mark size = 2.0, mark options = color = rgb,1:red,0.00000000;green,0.00000000;blue,0.00000000, draw opacity = 1.0, fill = rgb,1:red,0.88887350;green,0.43564919;blue,0.27812294, fill opacity = 1.0, line width = 1, rotate = 0, solid]coordinates (0.0, 0.0) (1.0, 1.23) (4.0, 1.23) (5.0, 0.0) (7.0, 0.0) ; Plasma Current (Inductive) + [color = rgb,1:red,0.24222430;green,0.64327509;blue,0.30444865, draw opacity=1.0, line width=1, solid,mark = none, mark size = 2.0, mark options = color = rgb,1:red,0.00000000;green,0.00000000;blue,0.00000000, draw opacity = 1.0, fill = rgb,1:red,0.24222430;green,0.64327509;blue,0.30444865, fill opacity = 1.0, line width = 1, rotate = 0, solid ,fill = rgb,1:red,0.24222430;green,0.64327509;blue,0.30444865, fill opacity=0.1,area legend]coordinates (0.0, 0.0) (0.0, 0.8) (1.0, 0.8) (1.0, 0.35) (4.0, 0.35) (4.0, 0.0) (NaN, NaN) (4.0, 0.0) (4.0, -0.8) (7.0, -0.8) (7.0, 0.0) ; Primary Voltage + [color = rgb,1:red,0.82745098;green,0.82745098;blue,0.82745098, draw opacity=1.0, line width=0.5, solid,mark = none, mark size = 2.0, mark options = color = rgb,1:red,0.00000000;green,0.00000000;blue,0.00000000, draw opacity = 1.0, fill = rgb,1:red,0.76444018;green,0.44411178;blue,0.82429754, fill opacity = 1.0, line width = 1, rotate = 0, solid ,forget plot]coordinates (1.0, -4.25) (1.0, 1.23) (NaN, NaN) (4.0, -4.25) (4.0, 2.15) (NaN, NaN) (5.0, -4.25) (5.0, 1.5) (NaN, NaN) (0.0, 1.23) (1.0, 1.23) (NaN, NaN) (0.0, 2.15) (4.0, 2.15) (NaN, NaN) (0.0, -1.5) (1.0, -1.5) (NaN, NaN) (0.0, 0.0) (5.0, 0.0) (NaN, NaN) (0.0, -2.15) (7.0, -2.15) ;