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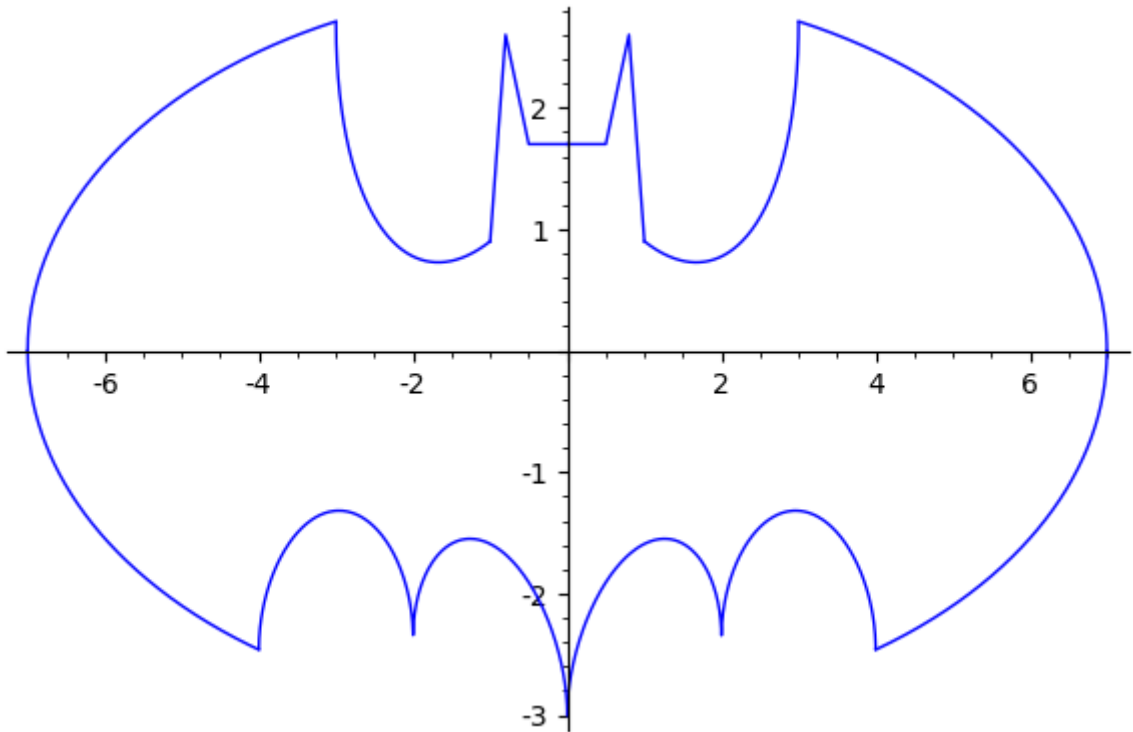
In [1]: # these codes are from the site "share.cocalc.com"
# there is a page "batman-curve.sagews"
#
sf(x) = sqrt(1-x^2) # semicircle
ef(x) = 3*sf(x/7) # ellipse
sh(x) = 4.2 - .5*x - 2.8*sf(.5*x -.5) # shoulders
bf(x) = sf(abs(2 - x) - 1) - x^2/11 + .5*x - 3 # bottom
cl = [(0,1.7), (.5,1.7), (.8,2.6), (1,.9)] # cowl right
cl2 = [(-x,y) for (x,y) in cl] # cowl left

def p(f,xmin,xmax):
    "symmetric plot across y-axis"
    p1 = plot(f,xmin,xmax)
    p2 = plot(lambda x:f(-x),-xmax,-xmin)
    return p1 + p2

p(ef,3,7) + p(-ef,4,7) + p(sh,1,3) + p(bf,0,4) + line(cl) +line(cl2)

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Out[1]:



In [0]: